



## ANALYTICAL DATA REPORT

JMC Environmental Consultants  
2109 Bridge Avenue  
Building B  
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**  
IAL Case Number: **E12-08677**

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefin".

Michael H. Lefin, Ph.D.  
Laboratory Director

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Integrated Analytical Laboratories, LLC. The test results included in this report relate  
only to the samples analyzed.**

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Randolph, NJ 07869  
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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

# Sample Summary

IAL Case No.

E12-08677

Client JMC Environmental Consultants

Project ARSYNCO

Received On 8/27/2012@16:30

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
08677-001	V-44 (0-1.0)	0/1	8/27/2012@10:18	Soil	1
08677-002	V-44 (1.0-2.0)	1/2	8/27/2012@10:19	Soil	1
08677-003	V-44 (2.0-3.0)	2/3	8/27/2012@10:20	Soil	1
08677-004	V-44 (3.0-4.0)	3/4	8/27/2012@10:21	Soil	1
08677-005	W-43 (0-1.0)	0/1	8/27/2012@10:55	Soil	1
08677-006	W-43 (1.0-2.0)	1/2	8/27/2012@10:56	Soil	1
08677-007	W-43 (2.0-3.0)	2/3	8/27/2012@10:57	Soil	1
08677-008	W-43 (3.0-4.0)	3/4	8/27/2012@10:58	Soil	1
08677-009	U-45 (0-1.0)	0/1	8/27/2012@11:37	Soil	1
08677-010	U-45 (1.0-2.0)	1/2	8/27/2012@11:38	Soil	1
08677-011	U-45 (2.0-3.0)	2/3	8/27/2012@11:39	Soil	1
08677-012	U-45 (3.0-4.0)	3/4	8/27/2012@11:40	Soil	1
08677-013	T-45 (0-1.0)	0/1	8/27/2012@13:00	Soil	1
08677-014	T-45 (1.0-2.0)	1/2	8/27/2012@13:01	Soil	1
08677-015	T-45 (2.0-3.0)	2/3	8/27/2012@13:02	Soil	1
08677-016	T-45 (3.0-4.0)	3/4	8/27/2012@13:03	Soil	1
08677-017	X-43 (0-1.0)	0/1	8/27/2012@13:28	Soil	1
08677-018	X-43 (1.0-2.0)	1/2	8/27/2012@13:29	Soil	1
08677-019	X-43 (2.0-3.0)	2/3	8/27/2012@13:30	Soil	1
08677-020	X-43 (3.0-4.0)	3/4	8/27/2012@13:31	Soil	1
08677-021	Y-43 (0-1.0)	0/1	8/27/2012@14:15	Soil	1
08677-022	Y-43 (1.0-2.0)	1/2	8/27/2012@14:16	Soil	1
08677-023	Y-43 (2.0-3.0)	2/3	8/27/2012@14:17	Soil	1
08677-024	Y-43 (3.0-4.0)	3/4	8/27/2012@14:18	Soil	1
08677-025	Y-42 (0-1.0)	0/1	8/27/2012@14:35	Soil	1
08677-026	Y-42 (1.0-2.0)	1/2	8/27/2012@14:36	Soil	1
08677-027	Y-42 (2.0-3.0)	2/3	8/27/2012@14:37	Soil	1
08677-028	Y-42 (3.0-4.0)	3/4	8/27/2012@14:38	Soil	1
08677-029	FB-32	n/a	8/27/2012@14:50	Aqueous	2

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on September 12, 2012

\* Methodology is included in the IAL Project Information Page

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## DEFINITIONS / QUALIFIERS

### DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample.  
It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicated analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

### REPORTING DEFINITIONS

**RL** Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

**MDL** Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

**PQL** Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

**ND** Indicates analyte was analyzed for but not detected above the MDL.

**DF** Dilution Factor

**LCS** Laboratory Control Sample

**LCSD** Laboratory Control Sample Duplicate

**MS** Matrix Spike

**MSD** Matrix Spike Duplicate

**DUP** Duplicate

**CONFORMANCE / NON-CONFORMANCE SUMMARIES**

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**CONFORMANCE / NONCONFORMANCE SUMMARY**

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-eight (28) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-08677, Project: ARSYNCO) on August 27, 2012 for the analysis of:

(29) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Ajenna

Reviewed by

9/11/12

Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number: E12-08677

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Standards Summary submitted.	<input type="checkbox"/>	<input type="checkbox"/>
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<hr/>		
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>08677# 006 surrogate diluted out</u>		
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Retention Time Shift Meet Criteria (if applicable).	<input type="checkbox"/>	<input type="checkbox"/>
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<hr/> <hr/>		
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<hr/> <hr/>		
Comments: <u>please see next page</u>		

  
Organic Manager

08-31-12

Date

INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - PCB'S, PESTICIDES, HERBICIDES

Additional comments for GC analytical results

Client/ Project: JMC / ARSYNCO  
IAL Case Number: E12 - 08677

GC Analysis: PCB'S	<input checked="" type="checkbox"/>
PESTICIDES	<input type="checkbox"/>
HERBICIDES	<input type="checkbox"/>

(check box for correct analysis)

As per EPA Method SW-846 8000C Section 11.10.4, the following samples are being reported with compound results that are significantly higher (> 40%) difference between primary and secondary column quantitations:

08677 # 020

# 024

# 017

# 025

# 026

# 027

This exceedence is caused by sample matrix interference in the analytical run.

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**SDG#: E12-08677**

**PCB By 8082**

**Batch ID: 120830-03**

- |                  |   |
|------------------|---|
| <b>QC</b>        | <ul style="list-style-type: none"><li>- Calibration Curve met QC criteria.</li><li>- Surrogate Percent Recovery met QC criteria.</li><li>- Method Blank met QC criteria.</li><li>- LCS Percent Recovery met QC criteria.</li><li>- MS/MSD Percent Recovery met QC criteria.</li><li>- RPD between MS/MSD met QC criteria.</li></ul> |
| <b>E12-08677</b> | <ul style="list-style-type: none"><li>- All samples were extracted within holding time.</li><li>- All samples were analyzed within holding time.</li><li>- Retention Time Shift met QC criteria.</li></ul>  |

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number: E12- 08677

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Standards Summary submitted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	<hr/> <input type="checkbox"/>	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:	<input checked="" type="checkbox"/> <u>08677# 014; 025; 026; 021; 022 Surrogate diluted out</u>	
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Retention Time Shift Meet Criteria (if applicable).	<hr/> <input type="checkbox"/>	
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:	<hr/> <input type="checkbox"/>	
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:	<hr/> <input type="checkbox"/>	

Comments:

please see next page



Organic Manager

09-06-12

Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - PCB'S, PESTICIDES, HERBICIDES**

Additional comments for GC analytical results

Client/ Project: JMC/FARSSYNC  
IAL Case Number: E12-08677

GC Analysis. PCB'S	<input checked="" type="checkbox"/>
PESTICIDES	<input type="checkbox"/>
HERBICIDES	<input type="checkbox"/>

(check box for correct analysis)

As per EPA Method SW-846 8000C Section 11.10.4, the following samples are being reported with compound results that are significantly higher (> 40%) difference between primary and secondary column quantitations:

08677#007  
#008

This exceedence is caused by sample matrix interference in the analytical run.

**RESULTS SUMMARY REPORT**

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08677**

	<b>Lab ID:</b>	08677-029							
	<b>Client ID:</b>	FB-32							
	<b>Matrix:</b>	Aqueous							
	<b>Sampled Date</b>	8/27/12							
<b>PARAMETER(Units)</b>	Conc	Q	MDL						
<b>PCB's (Units)</b>	<i>(mg/L-ppm)</i>								
Aroclor-1016	ND	0.00002							
Aroclor-1221	ND	0.00002							
Aroclor-1232	ND	0.00002							
Aroclor-1242	ND	0.00002							
Aroclor-1248	ND	0.00002							
Aroclor-1254	ND	0.00002							
Aroclor-1260	ND	0.00002							
Aroclor-1262	ND	0.00002							
Aroclor-1268	ND	0.00002							
PCBs	ND	0.00002							
	<b>Lab ID:</b>	08677-001	<b>08677-002</b>	<b>08677-003</b>	<b>08677-004</b>				
	<b>Client ID:</b>	V-44 (0-1.0)	V-44 (1.0-2.0)	V-44 (2.0-3.0)	V-44 (3.0-4.0)				
	<b>Depth:</b>	0/1	1/2	2/3	3/4				
	<b>Matrix:</b>	Soil	Soil	Soil	Soil				
	<b>Sampled Date</b>	8/27/12	8/27/12	8/27/12	8/27/12				
<b>PARAMETER(Units)</b>	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>			
Aroclor-1016	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1221	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1232	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1242	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1248	52.5	0.125	19.7	0.072	1.10	0.056	0.067	J	0.036
Aroclor-1254	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1260	41.2	0.125	31.2	0.072	1.07	0.056	ND	0.036	
Aroclor-1262	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
Aroclor-1268	ND	0.125	ND	0.072	ND	0.056	ND	0.036	
PCBs	93.7	0.125	50.9	0.072	2.17	0.056	0.067	J	0.036
	<b>Lab ID:</b>	08677-005	<b>08677-006</b>	<b>08677-007</b>	<b>08677-008</b>				
	<b>Client ID:</b>	W-43 (0-1.0)	W-43 (1.0-2.0)	W-43 (2.0-3.0)	W-43 (3.0-4.0)				
	<b>Depth:</b>	0/1	1/2	2/3	3/4				
	<b>Matrix:</b>	Soil	Soil	Soil	Soil				
	<b>Sampled Date</b>	8/27/12	8/27/12	8/27/12	8/27/12				
<b>PARAMETER(Units)</b>	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>				
Aroclor-1016	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1221	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1232	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1242	ND	0.326	591	4.81	28.6	0.103	4.58	0.086	
Aroclor-1248	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1254	43.4	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1260	40.8	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1262	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
Aroclor-1268	ND	0.326	ND	4.81	ND	0.103	ND	0.086	
PCBs	84.2	0.326	591	4.81	28.6	0.103	4.58	0.086	

ND = Analyzed for but Not Detected at the MDL

E12-08677

0010

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08677**

PARAMETER(Units)	Lab ID:	08677-009			08677-010			08677-011			08677-012			
	Client ID:	U-45 (0-1.0)			U-45 (1.0-2.0)			U-45 (2.0-3.0)			U-45 (3.0-4.0)			
	Depth:	0/1			1/2			2/3			3/4			
	Matrix:	Soil			Soil			Soil			Soil			
Sampled Date		8/27/12			8/27/12			8/27/12			8/27/12			
Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)				
Aroclor-1016	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1221	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1232	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1242	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1248	44.7	0.135	8.33	0.073	1.38	0.078	0.210	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1254	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1260	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1262	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
Aroclor-1268	ND	0.135	ND	0.073	ND	0.078	ND	0.035	ND	0.035	ND	0.035	ND	0.035
PCBs	44.7	0.135	8.33	0.073	1.38	0.078	0.210	0.035						
PARAMETER(Units)		Lab ID:	08677-013			08677-014			08677-015			08677-016		
		Client ID:	T-45 (0-1.0)			T-45 (1.0-2.0)			T-45 (2.0-3.0)			T-45 (3.0-4.0)		
		Depth:	0/1			1/2			2/3			3/4		
		Matrix:	Soil			Soil			Soil			Soil		
Sampled Date		8/27/12			8/27/12			8/27/12			8/27/12			
Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)				
Aroclor-1016	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1221	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1232	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1242	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1248	8.35	0.074	5.29	0.065	3.38	0.070	0.077	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1254	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1260	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1262	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
Aroclor-1268	ND	0.074	ND	0.065	ND	0.070	ND	0.022	ND	0.022	ND	0.022	ND	0.022
PCBs	8.35	0.074	5.29	0.065	3.38	0.070	0.077	0.022						
PARAMETER(Units)		Lab ID:	08677-017			08677-018			08677-019			08677-020		
		Client ID:	X-43 (0-1.0)			X-43 (1.0-2.0)			X-43 (2.0-3.0)			X-43 (3.0-4.0)		
		Depth:	0/1			1/2			2/3			3/4		
		Matrix:	Soil			Soil			Soil			Soil		
Sampled Date		8/27/12			8/27/12			8/27/12			8/27/12			
Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)				
Aroclor-1016	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1221	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1232	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1242	964	7.82	ND	0.073	60.6	0.222	20.4	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1248	ND	7.82	12.5	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1254	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1260	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1262	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
Aroclor-1268	ND	7.82	ND	0.073	ND	0.222	ND	0.098	ND	0.098	ND	0.098	ND	0.098
PCBs	964	7.82	12.5	0.073	60.6	0.222	20.4	0.098						

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

E12-08677

0011

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08677**

	Lab ID: Client ID: Depth: Matrix: Sampled Date	08677-021 Y-43 (0-1.0) 0/1 Soil 8/27/12	08677-022 Y-43 (1.0-2.0) 1/2 Soil 8/27/12	08677-023 Y-43 (2.0-3.0) 2/3 Soil 8/27/12	08677-024 Y-43 (3.0-4.0) 3/4 Soil 8/27/12
PARAMETER(Units)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>PCB's (Units)</b>		<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>
Aroclor-1016		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1221		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1232		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1242		ND 10.3	ND 8.90	117 0.996	14.7 0.089
Aroclor-1248		688 10.3	647 8.90	ND 0.996	ND 0.089
Aroclor-1254		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1260		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1262		ND 10.3	ND 8.90	ND 0.996	ND 0.089
Aroclor-1268		ND 10.3	ND 8.90	ND 0.996	ND 0.089
PCBs		688 10.3	647 8.90	117 0.996	14.7 0.089
<b>PCB's (Units)</b>		<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>	<i>(mg/Kg-ppm)</i>
Aroclor-1016		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1221		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1232		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1242		488 6.07	728 5.69	261 0.565	113 1.00
Aroclor-1248		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1254		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1260		140 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1262		ND 6.07	ND 5.69	ND 0.565	ND 1.00
Aroclor-1268		ND 6.07	ND 5.69	ND 0.565	ND 1.00
PCBs		628 6.07	728 5.69	261 0.565	113 1.00

ND = Analyzed for but Not Detected at the MDL

## **ANALYTICAL RESULTS**

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-001  
Client ID: V-44\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1262.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.08g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 2  
% Moisture: 74.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.312	0.125
Aroclor-1221	ND		0.312	0.125
Aroclor-1232	ND		0.312	0.125
Aroclor-1242	ND		0.312	0.125
Aroclor-1248	52.5		0.312	0.125
Aroclor-1254	ND		0.312	0.125
Aroclor-1260	41.2		0.312	0.125
Aroclor-1262	ND		0.312	0.125
Aroclor-1268	ND		0.312	0.125
PCBs	93.7		0.312	0.125

**INTEGRATED ANALYTICAL LABORATORIES**

**PCB's**

Lab ID: 08677-002  
Client ID: V-44\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1213.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.23g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 78.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.179	0.072
Aroclor-1221	ND		0.179	0.072
Aroclor-1232	ND		0.179	0.072
Aroclor-1242	ND		0.179	0.072
Aroclor-1248	19.7		0.179	0.072
Aroclor-1254	ND		0.179	0.072
Aroclor-1260	31.2		0.179	0.072
Aroclor-1262	ND		0.179	0.072
Aroclor-1268	ND		0.179	0.072
PCBs	50.9		0.179	0.072

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-003  
Client ID: V-44\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1214.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.16g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 72.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.140	0.056
Aroclor-1221	ND		0.140	0.056
Aroclor-1232	ND		0.140	0.056
Aroclor-1242	ND		0.140	0.056
Aroclor-1248	1.10		0.140	0.056
Aroclor-1254	ND		0.140	0.056
Aroclor-1260	1.07		0.140	0.056
Aroclor-1262	ND		0.140	0.056
Aroclor-1268	ND		0.140	0.056
PCBs	2.17		0.140	0.056

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-004

Client ID: V-44\_(3.0-

Date Received: 08/27/2012

Date Extracted: 08/29/2012

Date Analyzed: 08/30/2012

Data file: Y1215.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.80g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 62.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.091	0.036
Aroclor-1221	ND		0.091	0.036
Aroclor-1232	ND		0.091	0.036
Aroclor-1242	ND		0.091	0.036
Aroclor-1248	0.067	J	0.091	0.036
Aroclor-1254	ND		0.091	0.036
Aroclor-1260	ND		0.091	0.036
Aroclor-1262	ND		0.091	0.036
Aroclor-1268	ND		0.091	0.036
PCBs	0.067	J	0.091	0.036

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-005  
Client ID: W-43\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1263.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.44g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 10  
% Moisture: 54.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.815	0.326
Aroclor-1221	ND		0.815	0.326
Aroclor-1232	ND		0.815	0.326
Aroclor-1242	ND		0.815	0.326
Aroclor-1248	ND		0.815	0.326
Aroclor-1254	43.4		0.815	0.326
Aroclor-1260	40.8		0.815	0.326
Aroclor-1262	ND		0.815	0.326
Aroclor-1268	ND		0.815	0.326
PCBs	84.2		0.815	0.326

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-006

Client ID: W-43\_(1.0-

Date Received: 08/27/2012

Date Extracted: 08/29/2012

Date Analyzed: 08/30/2012

Data file: Y1264.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.62g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 100

% Moisture: 70.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		12.0	4.81
Aroclor-1221	ND		12.0	4.81
Aroclor-1232	ND		12.0	4.81
Aroclor-1242	591		12.0	4.81
Aroclor-1248	ND		12.0	4.81
Aroclor-1254	ND		12.0	4.81
Aroclor-1260	ND		12.0	4.81
Aroclor-1262	ND		12.0	4.81
Aroclor-1268	ND		12.0	4.81
PCBs	591		12.0	4.81

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-007

Client ID: W-43\_(2.0-

Date Received: 08/27/2012

Date Extracted: 08/29/2012

Date Analyzed: 08/30/2012

Data file: Y1218.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.74g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 86.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.258	0.103
Aroclor-1221	ND		0.258	0.103
Aroclor-1232	ND		0.258	0.103
Aroclor-1242	28.6		0.258	0.103
Aroclor-1248	ND		0.258	0.103
Aroclor-1254	ND		0.258	0.103
Aroclor-1260	ND		0.258	0.103
Aroclor-1262	ND		0.258	0.103
Aroclor-1268	ND		0.258	0.103
PCBs	28.6		0.258	0.103

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-008  
Client ID: W-43\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1219.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.12g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 81.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.216	0.086
Aroclor-1221	ND		0.216	0.086
Aroclor-1232	ND		0.216	0.086
Aroclor-1242	4.58		0.216	0.086
Aroclor-1248	ND		0.216	0.086
Aroclor-1254	ND		0.216	0.086
Aroclor-1260	ND		0.216	0.086
Aroclor-1262	ND		0.216	0.086
Aroclor-1268	ND		0.216	0.086
PCBs	4.58		0.216	0.086

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-009

GC Column: DB-5/DB1701P

Client ID: U-45\_(0-1.

Sample wt/vol: 5.65g

Date Received: 08/27/2012

Matrix-Units: Soil-mg/Kg (ppm)

Date Extracted: 08/29/2012

Dilution Factor: 2

Date Analyzed: 08/30/2012

% Moisture: 79.0

Data file: Y1265.D

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.337	0.135
Aroclor-1221	ND		0.337	0.135
Aroclor-1232	ND		0.337	0.135
Aroclor-1242	ND		0.337	0.135
Aroclor-1248	44.7		0.337	0.135
Aroclor-1254	ND		0.337	0.135
Aroclor-1260	ND		0.337	0.135
Aroclor-1262	ND		0.337	0.135
Aroclor-1268	ND		0.337	0.135
PCBs	44.7		0.337	0.135

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-010  
Client ID: U-45\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1221.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.34g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 79.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.183	0.073
Aroclor-1221	ND		0.183	0.073
Aroclor-1232	ND		0.183	0.073
Aroclor-1242	ND		0.183	0.073
Aroclor-1248	8.33		0.183	0.073
Aroclor-1254	ND		0.183	0.073
Aroclor-1260	ND		0.183	0.073
Aroclor-1262	ND		0.183	0.073
Aroclor-1268	ND		0.183	0.073
PCBs	8.33		0.183	0.073

**INTEGRATED ANALYTICAL LABORATORIES**

**PCB's**

Lab ID: 08677-011  
Client ID: U-45\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1222.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.56g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 81.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.196	0.078
Aroclor-1221	ND		0.196	0.078
Aroclor-1232	ND		0.196	0.078
Aroclor-1242	ND		0.196	0.078
Aroclor-1248	1.38		0.196	0.078
Aroclor-1254	ND		0.196	0.078
Aroclor-1260	ND		0.196	0.078
Aroclor-1262	ND		0.196	0.078
Aroclor-1268	ND		0.196	0.078
PCBs	1.38		0.196	0.078

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-012  
Client ID: U-45\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1223.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.67g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 60.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.088	0.035
Aroclor-1221	ND		0.088	0.035
Aroclor-1232	ND		0.088	0.035
Aroclor-1242	ND		0.088	0.035
Aroclor-1248	0.210		0.088	0.035
Aroclor-1254	ND		0.088	0.035
Aroclor-1260	ND		0.088	0.035
Aroclor-1262	ND		0.088	0.035
Aroclor-1268	ND		0.088	0.035
PCBs	0.210		0.088	0.035

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-013  
Client ID: T-45\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1224.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.59g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 80.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.184	0.074
Aroclor-1221	ND		0.184	0.074
Aroclor-1232	ND		0.184	0.074
Aroclor-1242	ND		0.184	0.074
Aroclor-1248	8.35		0.184	0.074
Aroclor-1254	ND		0.184	0.074
Aroclor-1260	ND		0.184	0.074
Aroclor-1262	ND		0.184	0.074
Aroclor-1268	ND		0.184	0.074
PCBs	8.35		0.184	0.074

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-014  
Client ID: T-45\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1231.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.72g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 78.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.163	0.065
Aroclor-1221	ND		0.163	0.065
Aroclor-1232	ND		0.163	0.065
Aroclor-1242	ND		0.163	0.065
Aroclor-1248	5.29		0.163	0.065
Aroclor-1254	ND		0.163	0.065
Aroclor-1260	ND		0.163	0.065
Aroclor-1262	ND		0.163	0.065
Aroclor-1268	ND		0.163	0.065
PCBs	5.29		0.163	0.065

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-015  
Client ID: T-45\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1232.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.86g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 80.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.174	0.070
Aroclor-1221	ND		0.174	0.070
Aroclor-1232	ND		0.174	0.070
Aroclor-1242	ND		0.174	0.070
Aroclor-1248	3.38		0.174	0.070
Aroclor-1254	ND		0.174	0.070
Aroclor-1260	ND		0.174	0.070
Aroclor-1262	ND		0.174	0.070
Aroclor-1268	ND		0.174	0.070
PCBs	3.38		0.174	0.070

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-016  
Client ID: T-45\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1233.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.85g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 37.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.055	0.022
Aroclor-1221	ND		0.055	0.022
Aroclor-1232	ND		0.055	0.022
Aroclor-1242	ND		0.055	0.022
Aroclor-1248	0.077		0.055	0.022
Aroclor-1254	ND		0.055	0.022
Aroclor-1260	ND		0.055	0.022
Aroclor-1262	ND		0.055	0.022
Aroclor-1268	ND		0.055	0.022
PCBs	0.077		0.055	0.022

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-017  
Client ID: X-43\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1339.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.33g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 80.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		19.5	7.82
Aroclor-1221	ND		19.5	7.82
Aroclor-1232	ND		19.5	7.82
Aroclor-1242	964		19.5	7.82
Aroclor-1248	ND		19.5	7.82
Aroclor-1254	ND		19.5	7.82
Aroclor-1260	ND		19.5	7.82
Aroclor-1262	ND		19.5	7.82
Aroclor-1268	ND		19.5	7.82
PCBs	964		19.5	7.82

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-018  
Client ID: X-43\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1235.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.74g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 81.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.183	0.073
Aroclor-1221	ND		0.183	0.073
Aroclor-1232	ND		0.183	0.073
Aroclor-1242	ND		0.183	0.073
Aroclor-1248	12.5		0.183	0.073
Aroclor-1254	ND		0.183	0.073
Aroclor-1260	ND		0.183	0.073
Aroclor-1262	ND		0.183	0.073
Aroclor-1268	ND		0.183	0.073
PCBs	12.5		0.183	0.073

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-019  
Client ID: X-43\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1340.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.45g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 2  
% Moisture: 86.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.556	0.222
Aroclor-1221	ND		0.556	0.222
Aroclor-1232	ND		0.556	0.222
Aroclor-1242	60.6		0.556	0.222
Aroclor-1248	ND		0.556	0.222
Aroclor-1254	ND		0.556	0.222
Aroclor-1260	ND		0.556	0.222
Aroclor-1262	ND		0.556	0.222
Aroclor-1268	ND		0.556	0.222
PCBs	60.6		0.556	0.222

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-020  
Client ID: X-43\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1237.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.77g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 85.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.244	0.098
Aroclor-1221	ND		0.244	0.098
Aroclor-1232	ND		0.244	0.098
Aroclor-1242	20.4		0.244	0.098
Aroclor-1248	ND		0.244	0.098
Aroclor-1254	ND		0.244	0.098
Aroclor-1260	ND		0.244	0.098
Aroclor-1262	ND		0.244	0.098
Aroclor-1268	ND		0.244	0.098
PCBs	20.4		0.244	0.098

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-021  
Client ID: Y-43\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/04/2012  
Data file: Y1358.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.17g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 85.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		25.8	10.3
Aroclor-1221	ND		25.8	10.3
Aroclor-1232	ND		25.8	10.3
Aroclor-1242	ND		25.8	10.3
Aroclor-1248	688		25.8	10.3
Aroclor-1254	ND		25.8	10.3
Aroclor-1260	ND		25.8	10.3
Aroclor-1262	ND		25.8	10.3
Aroclor-1268	ND		25.8	10.3
PCBs	688		25.8	10.3

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-022  
Client ID: Y-43\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/04/2012  
Data file: Y1359.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.35g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 83.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		22.3	8.90
Aroclor-1221	ND		22.3	8.90
Aroclor-1232	ND		22.3	8.90
Aroclor-1242	ND		22.3	8.90
Aroclor-1248	647		22.3	8.90
Aroclor-1254	ND		22.3	8.90
Aroclor-1260	ND		22.3	8.90
Aroclor-1262	ND		22.3	8.90
Aroclor-1268	ND		22.3	8.90
PCBs	647		22.3	8.90

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-023  
Client ID: Y-43\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1343.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.78g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 10  
% Moisture: 86.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		2.49	0.996
Aroclor-1221	ND		2.49	0.996
Aroclor-1232	ND		2.49	0.996
Aroclor-1242	117		2.49	0.996
Aroclor-1248	ND		2.49	0.996
Aroclor-1254	ND		2.49	0.996
Aroclor-1260	ND		2.49	0.996
Aroclor-1262	ND		2.49	0.996
Aroclor-1268	ND		2.49	0.996
PCBs	117		2.49	0.996

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-024  
Client ID: Y-43\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 08/30/2012  
Data file: Y1241.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.35g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 83.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.223	0.089
Aroclor-1221	ND		0.223	0.089
Aroclor-1232	ND		0.223	0.089
Aroclor-1242	14.7		0.223	0.089
Aroclor-1248	ND		0.223	0.089
Aroclor-1254	ND		0.223	0.089
Aroclor-1260	ND		0.223	0.089
Aroclor-1262	ND		0.223	0.089
Aroclor-1268	ND		0.223	0.089
PCBs	14.7		0.223	0.089

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-025  
Client ID: Y-42\_(0-1.  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1344.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.03g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 73.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		15.2	6.07
Aroclor-1221	ND		15.2	6.07
Aroclor-1232	ND		15.2	6.07
Aroclor-1242	488		15.2	6.07
Aroclor-1248	ND		15.2	6.07
Aroclor-1254	ND		15.2	6.07
Aroclor-1260	140		15.2	6.07
Aroclor-1262	ND		15.2	6.07
Aroclor-1268	ND		15.2	6.07
PCBs	628		15.2	6.07

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-026  
Client ID: Y-42\_(1.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1345.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.67g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 75.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		14.2	5.69
Aroclor-1221	ND		14.2	5.69
Aroclor-1232	ND		14.2	5.69
Aroclor-1242	728		14.2	5.69
Aroclor-1248	ND		14.2	5.69
Aroclor-1254	ND		14.2	5.69
Aroclor-1260	ND		14.2	5.69
Aroclor-1262	ND		14.2	5.69
Aroclor-1268	ND		14.2	5.69
PCBs	728		14.2	5.69

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-027  
Client ID: Y-42\_(2.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1351.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.49g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 10  
% Moisture: 74.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		1.41	0.565
Aroclor-1221	ND		1.41	0.565
Aroclor-1232	ND		1.41	0.565
Aroclor-1242	261		1.41	0.565
Aroclor-1248	ND		1.41	0.565
Aroclor-1254	ND		1.41	0.565
Aroclor-1260	ND		1.41	0.565
Aroclor-1262	ND		1.41	0.565
Aroclor-1268	ND		1.41	0.565
PCBs	261		1.41	0.565

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-028  
Client ID: Y-42\_(3.0-  
Date Received: 08/27/2012  
Date Extracted: 08/29/2012  
Date Analyzed: 09/01/2012  
Data file: Y1346.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.13g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 10  
% Moisture: 84.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		2.50	1.00
Aroclor-1221	ND		2.50	1.00
Aroclor-1232	ND		2.50	1.00
Aroclor-1242	113		2.50	1.00
Aroclor-1248	ND		2.50	1.00
Aroclor-1254	ND		2.50	1.00
Aroclor-1260	ND		2.50	1.00
Aroclor-1262	ND		2.50	1.00
Aroclor-1268	ND		2.50	1.00
PCBs	113		2.50	1.00

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08677-029

Client ID: FB-32

Date Received: 08/27/2012

Date Extracted: 08/30/2012

Date Analyzed: 08/31/2012

Data file: Y1306.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

**PCB DATA**

E12-08677 0043

**PCB QC SUMMARY**

**PCB SURROGATE PERCENT RECOVERY SUMMARY**

Date Analyzed: 08/29/2012

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS120829-01	SOIL	113		118		118		105	
PILE_03_-	08707-011	SOIL	103		95		113		95	
VAULT_01-0	08707-001	SOIL	113		110		122		113	
VAULT_01-0	08707-002	SOIL	114		115		120		106	
VAULT_01-0	08707-003	SOIL	115		106		120		110	
VAULT_02-0	08707-004	SOIL	115		120		119		104	
VAULT_02-0	08707-005	SOIL	114		118		119		102	
SP-1	08696-001	SOIL	109		102		115		102	
V-44_(1.0-	08677-002	SOIL	125		121		143		132	
V-44_(2.0-	08677-003	SOIL	141		148		152		135	
V-44_(3.0-	08677-004	SOIL	129		134		137		115	
W-43_(2.0-	08677-007	SOIL	125		142		152		158	
W-43_(3.0-	08677-008	SOIL	137		132		151		126	
U-45_(1.0-	08677-010	SOIL	115		120		141		157	
U-45_(2.0-	08677-011	SOIL	123		131		149		144	
U-45_(3.0-	08677-012	SOIL	123		119		133		118	
T-45_(0-1.	08677-013	SOIL	124		126		143		126	
PCB	08707-011MS	SOIL	95		82		107		103	
PCB	08707-011MSD	SOIL	95		79		107		91	
PCB	LCSS120829-01	SOIL	103		94		109		102	
V-44_(0-1.	08677-001	SOIL	147		134		159		129	
W-43_(0-1.	08677-005	SOIL	113		137		122		171	
W-43_(1.0-	08677-006	SOIL	0	D	0	D	0	D	0	D
U-45_(0-1.	08677-009	SOIL	139		142		153		139	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

Aqueous

11-163

30-172

13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**PCB SURROGATE PERCENT RECOVERY SUMMARY**

Date Analyzed: 08/30/2012

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS120829-05	SOIL	108		115		113		96	
T-45_(1.0-	08677-014	SOIL	143		154		157		134	
T-45_(2.0-	08677-015	SOIL	142		146		156		140	
T-45_(3.0-	08677-016	SOIL	125		130		133		121	
X-43_(1.0-	08677-018	SOIL	109		127		142		138	
X-43_(3.0-	08677-020	SOIL	133		141		150		134	
Y-43_(3.0-	08677-024	SOIL	126		130		147		121	
Z-42_(3.0-	08734-004	SOIL	116		116		145		123	
PCB	LCSS120829-05	SOIL	99		90		110		98	
X-43_(0-1.	08677-017	SOIL	0	D	0	D	0	D	0	D
X-43_(2.0-	08677-019	SOIL	152		125		162		124	
Y-43_(2.0-	08677-023	SOIL	125		115		151		103	
Y-42_(0-1.	08677-025	SOIL	0	D	0	D	0	D	0	D
Y-42_(1.0-	08677-026	SOIL	0	D	0	D	0	D	0	D
Y-42_(3.0-	08677-028	SOIL	135		123		161		117	
Z-42_(0-1.	08734-001	SOIL	127		116		148		106	
Z-42_(1.0-	08734-002	SOIL	0	D	0	D	0	D	0	D
Z-42_(2.0-	08734-003	SOIL	138		135		159		115	
AA-41_(0-1	08734-005	SOIL	113		116		128		103	
Y-42_(2.0-	08677-027	SOIL	114		103		141		105	
PCB	08677-027MS	SOIL	121		154		153		113	
PCB	08677-027MSD	SOIL	121		122		152		110	
Y-43_(0-1.	08677-021	SOIL	0	D	0	D	0	D	0	D
Y-43_(1.0-	08677-022	SOIL	0	D	0	D	0	D	0	D

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

Aqueous

11-163

30-172

13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 08/31/2012

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA120830-03	AQUEOUS	81		63		93		69	
ORD-V12-20	08657-001	AQUEOUS	65		60		75		64	
MW-1	08673-002	AQUEOUS	63		63		76		63	
FB-32	08677-029	AQUEOUS	85		65		97		65	
FB08282012	08707-006	AQUEOUS	90		68		102		66	
TWP-1	08752-001	AQUEOUS	56		58		73		57	
TWP-2	08752-002	AQUEOUS	53		56		68		60	
TWP-3	08752-003	AQUEOUS	143		52		63		52	
TWP-4	08752-004	AQUEOUS	61		52		60		54	
TWP-6	08752-005	AQUEOUS	56		48		71		51	
TWP-8	08752-006	AQUEOUS	51		44		58		50	
PCB	08673-002MS	AQUEOUS	71		68		81		73	
PCB	08673-002MSD	AQUEOUS	75		74		85		75	
PCB	LCSA120830-03	AQUEOUS	81		63		92		64	

Surrogate QC Limits

Soil      Aqueous

TCMX = Tetrachloro-m-xylene

21-163      11-163

DCB = Decachlorobiphenyl

30-172      13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS120829-01

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	581.8	116	40 - 140
Aroclor-1260	500.0	0.0	552.8	111	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS120829-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	553.3	111	40 - 140
Aroclor-1260	500.0	0.0	613.2	123	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

# AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSA120830-03

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	558.2	112	40 - 140
Aroclor-1260	500.0	0.0	521.3	104	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

**SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID: 08677-011

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	545.6	109	40 - 140
Aroclor-1260	500.0	0.0	514.9	103	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD #	% REC	% RPD	QC LIMITS RPD	REC
Aroclor-1016	0.0	528.1	106	3	50	40 - 140	
Aroclor-1260	0.0	457.4	91	12	50	40 - 140	

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

**SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID: 08677-027

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	NC	NC	40 - 140
Aroclor-1260	500.0	0.0	NC	NC	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD #	% REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	NC	NC	NC	50	40 - 140	
Aroclor-1260	0.0	NC	NC	NC	50	40 - 140	

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 2 out of 2 outside limits

Spike Recovery: 4 out of 4 outside limits

**AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID: 08673-002

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	511.5	102	40 - 140
Aroclor-1260	500.0	0.0	484.6	97	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	649.5	130	24	50	40 - 140
Aroclor-1260	0.0	588.0	118	20	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y1204.D      Instrument ID: GC-Y

Date Extracted: 08/29/2012      Matrix: SOIL

Date Analyzed: 08/29/2012      Time Analyzed: 23:44

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
PILE_03_-	08707-011	08/30/2012	00:01
VAULT_01-0	08707-001	08/30/2012	00:18
VAULT_01-0	08707-002	08/30/2012	00:36
VAULT_01-0	08707-003	08/30/2012	00:53
VAULT_02-0	08707-004	08/30/2012	01:10
VAULT_02-0	08707-005	08/30/2012	01:27
SP-1	08696-001	08/30/2012	01:44
V-44_(1.0-	08677-002	08/30/2012	02:19
V-44_(2.0-	08677-003	08/30/2012	02:36
V-44_(3.0-	08677-004	08/30/2012	02:53
W-43_(2.0-	08677-007	08/30/2012	03:45
W-43_(3.0-	08677-008	08/30/2012	04:02
U-45_(1.0-	08677-010	08/30/2012	04:36
U-45_(2.0-	08677-011	08/30/2012	04:54
U-45_(3.0-	08677-012	08/30/2012	05:11
T-45_(0-1.	08677-013	08/30/2012	05:28
PCB	08707-011MS	08/30/2012	05:45
PCB	08707-011MSD	08/30/2012	06:02
PCB	LCSS120829-01	08/30/2012	06:20
V-44_(0-1.	08677-001	08/30/2012	18:42
W-43_(0-1.	08677-005	08/30/2012	18:59
W-43_(1.0-	08677-006	08/30/2012	19:16
U-45_(0-1.	08677-009	08/30/2012	19:33

## PCB METHOD BLANK SUMMARY

Lab File ID: Y1230.D      Instrument ID: GC-Y

Date Extracted: 08/29/2012      Matrix: SOIL

Date Analyzed: 08/30/2012      Time Analyzed: 07:28

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
T-45_(1.0-	08677-014	08/30/2012	07:46
T-45_(2.0-	08677-015	08/30/2012	08:03
T-45_(3.0-	08677-016	08/30/2012	08:20
X-43_(1.0-	08677-018	08/30/2012	08:54
X-43_(3.0-	08677-020	08/30/2012	09:29
Y-43_(3.0-	08677-024	08/30/2012	10:37
Z-42_(3.0-	08734-004	08/30/2012	12:38
PCB	LCSS120829-05	08/30/2012	14:04
X-43_(0-1.	08677-017	09/01/2012	02:52
X-43_(2.0-	08677-019	09/01/2012	03:09
Y-43_(2.0-	08677-023	09/01/2012	04:01
Y-42_(0-1.	08677-025	09/01/2012	04:18
Y-42_(1.0-	08677-026	09/01/2012	04:35
Y-42_(3.0-	08677-028	09/01/2012	04:52
Z-42_(0-1.	08734-001	09/01/2012	05:10
Z-42_(1.0-	08734-002	09/01/2012	05:27
Z-42_(2.0-	08734-003	09/01/2012	05:44
AA-41_(0-1	08734-005	09/01/2012	06:01
Y-42_(2.0-	08677-027	09/01/2012	06:18
PCB	08677-027MS	09/01/2012	06:36
PCB	08677-027MSD	09/01/2012	06:53
Y-43_(0-1.	08677-021	09/04/2012	18:07
Y-43_(1.0-	08677-022	09/04/2012	18:24

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y1303.D

Instrument ID: GC-Y

Date Extracted: 08/30/2012

Matrix: AQUEOUS

Date Analyzed: 08/31/2012

Time Analyzed: 15:11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
ORD-V12-20	08657-001	08/31/2012	15:29
MW-1	08673-002	08/31/2012	15:46
FB-32	08677-029	08/31/2012	16:03
FB08282012	08707-006	08/31/2012	16:20
TWP-1	08752-001	08/31/2012	16:37
TWP-2	08752-002	08/31/2012	16:55
TWP-3	08752-003	08/31/2012	17:12
TWP-4	08752-004	08/31/2012	17:29
TWP-6	08752-005	08/31/2012	17:59
TWP-8	08752-006	08/31/2012	18:16
PCB	08673-002MS	08/31/2012	18:33
PCB	08673-002MSD	08/31/2012	18:50
PCB	LCSA120830-03	08/31/2012	19:07

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012

Instrument ID: GC-Y  
GC Column (1st): DB-5

Data File: Y1144.D Y1143.D Y1142.D Y1141.D Y1140.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.28	3.28	3.28	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.11	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.66	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.56	5.56	5.56	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.17				2.10	2.24
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.20				3.13	3.27
Aroclor-1221 {4}			3.27				3.20	3.34
Aroclor-1221 {5}			3.87				3.80	3.94
Aroclor-1232			3.28				3.21	3.35
Aroclor-1232 {2}			4.11				4.04	4.18
Aroclor-1232 {3}			4.77				4.70	4.84
Aroclor-1232 {4}			5.36				5.29	5.43
Aroclor-1232 {5}			5.56				5.49	5.63
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.04				4.97	5.11
Aroclor-1242 {3}			5.36				5.29	5.43
Aroclor-1242 {4}			6.06				5.99	6.13
Aroclor-1242 {5}			6.33				6.26	6.40
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.04				4.96	5.12
Aroclor-1248 {3}			5.36				5.28	5.44
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.33				6.25	6.41
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.50				7.41	7.59
Aroclor-1254 {5}			8.33				8.24	8.42
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.00	9.00	9.00	9.00	9.00	9.00	8.10	9.90
Aroclor-1260 {3}	9.48	9.48	9.48	9.48	9.48	9.48	8.58	10.38
Aroclor-1260 {4}	9.96	9.96	9.96	9.96	9.96	9.96	9.06	10.86
Aroclor-1260 {5}	11.02	11.02	11.02	11.02	11.02	11.02	10.12	11.92

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y1144.D Y1143.D Y1142.D Y1141.D Y1140.D

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	1598460	1636594	1724245	1671316	1663544	1658832	2.79
Aroclor-1016 {2}	2781625	2134550	2314976	2252118	2262395	2349133	10.67
Aroclor-1016 {3}	3534636	2972656	3163325	3101174	3109270	3176212	6.68
Aroclor-1016 {4}	1745680	1404075	1488362	1424772	1435859	1499750	9.40
Aroclor-1016 {5}	2686885	2328391	2456665	2403548	2415470	2458192	5.53
Aroclor-1221			618501				
Aroclor-1221 {2}			1128582				
Aroclor-1221 {3}			681947				
Aroclor-1221 {4}			2551643				
Aroclor-1221 {5}			480523				
Aroclor-1232			1831153				
Aroclor-1232 {2}			986000				
Aroclor-1232 {3}			893737				
Aroclor-1232 {4}			878058				
Aroclor-1232 {5}			1225450				
Aroclor-1242			1751102				
Aroclor-1242 {2}			1062851				
Aroclor-1242 {3}			1435125				
Aroclor-1242 {4}			2436831				
Aroclor-1242 {5}			2159921				
Aroclor-1248			3661689				
Aroclor-1248 {2}			2005052				
Aroclor-1248 {3}			2495393				
Aroclor-1248 {4}			4524397				
Aroclor-1248 {5}			3137355				
Aroclor-1254			4462170				
Aroclor-1254 {2}			2744880				
Aroclor-1254 {3}			5263695				
Aroclor-1254 {4}			5156827				
Aroclor-1254 {5}			4250307				
Aroclor-1260	5796468	6099813	6151135	5893257	5903979	5968930	2.51
Aroclor-1260 {2}	1708455	2452925	2499350	2373323	2466938	2300198	14.52
Aroclor-1260 {3}	6413601	6154515	6638804	6045721	6299865	6310501	3.66
Aroclor-1260 {4}	2955584	3454374	3144178	2956833	3017131	3105620	6.75
Aroclor-1260 {5}	1279520	1727719	1269645	1252500	1245729	1355022	15.41

Average %RSD

7.79

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012      Instrument ID: GC-Y  
 GC Column (2nd): RTX-CLP2

Data File: Y1144.C Y1143.C Y1142.C Y1141.C Y1140.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.78	3.78	3.78	3.78	3.78	3.78	3.71	3.85
Aroclor-1016 {2}	4.37	4.37	4.37	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.13	5.13	5.13	5.13	5.13	5.13	5.06	5.20
Aroclor-1016 {4}	5.34	5.33	5.33	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.51	5.51	5.51	5.51	5.51	5.51	5.44	5.58
Aroclor-1221			2.46				2.39	2.53
Aroclor-1221 {2}			3.46				3.39	3.53
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.14				5.07	5.21
Aroclor-1232			3.78				3.71	3.85
Aroclor-1232 {2}			4.76				4.69	4.83
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.11				6.04	6.18
Aroclor-1242			4.76				4.69	4.83
Aroclor-1242 {2}			5.51				5.44	5.58
Aroclor-1242 {3}			6.11				6.04	6.18
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.71				5.63	5.79
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.69				7.61	7.77
Aroclor-1254 {3}			8.31				8.22	8.40
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.87	7.87	7.87	7.87	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.71	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.22	10.22	10.22	10.22	10.22	10.22	9.32	11.12
Aroclor-1260 {5}	10.81	10.81	10.81	10.81	10.81	10.81	9.91	11.71

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012      Instrument ID: GC-Y  
 GC Column (2nd): RTX-CLP2

Data File: Y1144.C    Y1143.C    Y1142.C    Y1141.C    Y1140.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	544205	537751	467417	423723	393625	473344	14.18
Aroclor-1016 {2}	1093471	1110193	916876	830553	767921	943803	16.29
Aroclor-1016 {3}	2308378	2291411	2078344	1914126	1796124	2077677	10.89
Aroclor-1016 {4}	1031954	1012793	877889	802293	743630	893712	14.20
Aroclor-1016 {5}	737942	773096	683417	630056	586931	682289	11.15
Aroclor-1221			195158				
Aroclor-1221 {2}			269665				
Aroclor-1221 {3}			181811				
Aroclor-1221 {4}			680802				
Aroclor-1221 {5}			122217				
Aroclor-1232			512907				
Aroclor-1232 {2}			191309				
Aroclor-1232 {3}			402349				
Aroclor-1232 {4}			311541				
Aroclor-1232 {5}			423699				
Aroclor-1242			325956				
Aroclor-1242 {2}			544751				
Aroclor-1242 {3}			690740				
Aroclor-1242 {4}			568560				
Aroclor-1242 {5}			1093176				
Aroclor-1248			1039238				
Aroclor-1248 {2}			1533070				
Aroclor-1248 {3}			1085332				
Aroclor-1248 {4}			984251				
Aroclor-1248 {5}			535963				
Aroclor-1254			1281510				
Aroclor-1254 {2}			967077				
Aroclor-1254 {3}			907574				
Aroclor-1254 {4}			532559				
Aroclor-1254 {5}			1253260				
Aroclor-1260	800177	823523	713513	660407	610102	721544	12.55
Aroclor-1260 {2}	1096884	1196645	1052171	970931	896292	1042585	11.07
Aroclor-1260 {3}	809692	933378	919943	871345	785795	864031	7.56
Aroclor-1260 {4}	1607884	2034074	2137207	1985358	1853381	1923581	10.60
Aroclor-1260 {5}	1078068	1421520	1600261	1456756	1343554	1380032	13.97
Average %RSD						12.25	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y1144.D Y1143.D Y1142.D Y1141.D Y1140.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.48				8.58	8.58
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.02				10.02	10.02
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.19				9.09	9.09
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.62				10.52	10.52

GC Column (2nd): DB-1701P

Data File: Y1144.C Y1143.C Y1142.C Y1141.C Y1140.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.22				9.32	9.32
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.19				10.09	10.09
Aroclor-1268 {5}			12.27				11.17	11.17

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y1144.D Y1143.D Y1142.D Y1141.D Y1140.D

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1262			4679194					
Aroclor-1262 {2}			8337139					
Aroclor-1262 {3}			2718445					
Aroclor-1262 {4}			3453906					
Aroclor-1262 {5}			2640319					
Aroclor-1268			8560197					
Aroclor-1268 {2}			9694084					
Aroclor-1268 {3}			7141308					
Aroclor-1268 {4}			2248426					
Aroclor-1268 {5}			20712676					

GC Column (2nd): DB-1701P

Data File: Y1144.C Y1143.C Y1142.C Y1141.C Y1140.C

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1262			1192131					
Aroclor-1262 {2}			2701939					
Aroclor-1262 {3}			927683					
Aroclor-1262 {4}			1978216					
Aroclor-1262 {5}			628891					
Aroclor-1268			2806355					
Aroclor-1268 {2}			3027623					
Aroclor-1268 {3}			2417922					
Aroclor-1268 {4}			633526					
Aroclor-1268 {5}			7719444					

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/29/2012      Instrument ID: GC-Y

Data File: Y1203.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1658832	1522612	8.21
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	1986380	15.44
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2809565	11.54
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1394822	7.00
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2247718	8.56
Aroclor-1260	8.34	7.43	9.23	5968930	5397290	9.58
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2121965	7.75
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	6098113	3.37
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	2941976	5.27
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1391621	2.70
Average %D						7.94

Data File: Y1203.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.71	3.85	473344	454897	3.90
Aroclor-1016 {2}	4.37	4.30	4.44	943803	890407	5.66
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2014673	3.03
Aroclor-1016 {4}	5.33	5.26	5.40	893712	848932	5.01
Aroclor-1016 {5}	5.51	5.44	5.58	682289	673019	1.36
Aroclor-1260	7.87	6.97	8.77	721544	639896	11.32
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	950278	8.85
Aroclor-1260 {3}	9.71	8.81	10.61	864031	838708	2.93
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	1922519	0.06
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1406440	1.91
Average %D						4.40

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/30/2012

Instrument ID: GC-Y

Data File: Y1228.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1658832	1558211	6.07
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2063594	12.16
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2882579	9.24
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1380613	7.94
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2284642	7.06
Aroclor-1260	8.33	7.43	9.23	5968930	5477740	8.23
Aroclor-1260 {2}	9.00	8.10	9.90	2300198	2282989	0.75
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	6285629	0.39
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	3128465	0.74
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1513709	11.71
<b>Average %D</b>						<b>6.43</b>

Data File: Y1228.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.71	3.85	473344	475117	0.37
Aroclor-1016 {2}	4.37	4.30	4.44	943803	930136	1.45
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2123294	2.20
Aroclor-1016 {4}	5.33	5.26	5.40	893712	899033	0.60
Aroclor-1016 {5}	5.51	5.44	5.58	682289	703208	3.07
Aroclor-1260	7.87	6.97	8.77	721544	658981	8.67
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	966429	7.30
Aroclor-1260 {3}	9.71	8.81	10.61	864031	834931	3.37
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	1858011	3.41
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1333040	3.41
<b>Average %D</b>						<b>3.38</b>

**AROCLOR CALIBRATION VERIFICATION SUMMARY**

Date/Time Analyzed: 08/30/2012

Instrument ID: GC-Y

Data File:

Y1261.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1658832	1569717	5.37
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	1976614	15.86
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2907695	8.45
Aroclor-1016 {4}	5.16	5.09	5.23	1499750	1438495	4.08
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2299243	6.47
Aroclor-1260	8.34	7.43	9.23	5968930	5695191	4.59
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2151079	6.48
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	6550757	3.81
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	3244160	4.46
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1356069	0.08
Average %D						5.96

Data File:

Y1261.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.71	3.85	473344	475856	0.53
Aroclor-1016 {2}	4.38	4.30	4.44	943803	928187	1.65
Aroclor-1016 {3}	5.14	5.06	5.20	2077677	2121624	2.12
Aroclor-1016 {4}	5.34	5.26	5.40	893712	879341	1.61
Aroclor-1016 {5}	5.52	5.44	5.58	682289	703936	3.17
Aroclor-1260	7.88	6.97	8.77	721544	668411	7.36
Aroclor-1260 {2}	8.13	7.22	9.02	1042585	968750	7.08
Aroclor-1260 {3}	9.72	8.81	10.61	864031	850383	1.58
Aroclor-1260 {4}	10.23	9.32	11.12	1923581	1858189	3.40
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1323256	4.11
Average %D						3.26

**AROCLOR CALIBRATION VERIFICATION SUMMARY**

Date/Time Analyzed: 08/30/2012

Instrument ID: GC-Y

Data File: Y1266.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
	FROM	TO				
Aroclor-1016	3.28	3.21	3.35	1658832	1528126	7.88
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2318105	1.32
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2810241	11.52
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1353981	9.72
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2209819	10.10
Aroclor-1260	8.34	7.43	9.23	5968930	5032679	15.69
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2029610	11.76
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	5824166	7.71
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	2687928	13.45
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1457645	7.57
Average %D						9.67

Data File: Y1266.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
	FROM	TO				
Aroclor-1016	3.78	3.71	3.85	473344	476286	0.62
Aroclor-1016 {2}	4.37	4.30	4.44	943803	933100	1.13
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2125651	2.31
Aroclor-1016 {4}	5.33	5.26	5.40	893712	877568	1.81
Aroclor-1016 {5}	5.51	5.44	5.58	682289	700655	2.69
Aroclor-1260	7.87	6.97	8.77	721544	644890	10.62
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	954386	8.46
Aroclor-1260 {3}	9.71	8.81	10.61	864031	875953	1.38
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	2003685	4.16
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1547260	12.12
Average %D						4.53

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/30/2012      Instrument ID: GC-Y

Data File: Y1229.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1658832	1510298	8.95
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	1955895	16.74
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2813597	11.42
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1362497	9.15
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2240953	8.84
Aroclor-1260	8.34	7.43	9.23	5968930	5368924	10.05
Aroclor-1260 {2}	9.00	8.10	9.90	2300198	2084264	9.39
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	6166731	2.28
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	3000510	3.38
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1280211	5.52
<b>Average %D</b>						<b>8.57</b>

Data File: Y1229.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.71	3.85	473344	458917	3.05
Aroclor-1016 {2}	4.37	4.30	4.44	943803	899799	4.66
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2052543	1.21
Aroclor-1016 {4}	5.33	5.26	5.40	893712	860911	3.67
Aroclor-1016 {5}	5.51	5.44	5.58	682289	682878	0.09
Aroclor-1260	7.87	6.97	8.77	721544	642901	10.90
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	945683	9.29
Aroclor-1260 {3}	9.71	8.81	10.61	864031	821064	4.97
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	1826435	5.05
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1301167	5.71
<b>Average %D</b>						<b>4.86</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/30/2012      Instrument ID: GC-Y

Data File: Y1254.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1658832	1383855	16.58
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	1951058	16.95
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2762502	13.03
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1244084	17.05
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2045479	16.79
Aroclor-1260	8.33	7.43	9.23	5968930	5602633	6.14
Aroclor-1260 {2}	9.00	8.10	9.90	2300198	2086318	9.30
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	5909403	6.36
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	3329600	7.21
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1294514	4.47
<b>Average %D</b>						<b>11.39</b>

Data File: Y1254.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.71	3.85	473344	440547	6.93
Aroclor-1016 {2}	4.37	4.30	4.44	943803	871143	7.70
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	1990506	4.20
Aroclor-1016 {4}	5.33	5.26	5.40	893712	813261	9.00
Aroclor-1016 {5}	5.51	5.44	5.58	682289	645645	5.37
Aroclor-1260	7.87	6.97	8.77	721544	594925	17.55
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	885257	15.09
Aroclor-1260 {3}	9.71	8.81	10.61	864031	928196	7.43
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	2018179	4.92
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1372648	0.54
<b>Average %D</b>						<b>7.87</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/01/2012      Instrument ID: GC-Y

Data File: Y1338.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1658832	1608828	3.01
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2095986	10.78
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2962145	6.74
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1523509	1.58
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2347985	4.48
Aroclor-1260	8.34	7.43	9.23	5968930	5403238	9.48
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2155375	6.30
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	5877743	6.86
Aroclor-1260 {4}	9.97	9.06	10.86	3105620	2868966	7.62
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1588030	17.20
<b>Average %D</b>						<b>7.40</b>

Data File: Y1338.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.71	3.85	473344	528704	11.70
Aroclor-1016 {2}	4.37	4.30	4.44	943803	1017568	7.82
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2335847	12.43
Aroclor-1016 {4}	5.34	5.26	5.40	893712	980619	9.72
Aroclor-1016 {5}	5.51	5.44	5.58	682289	774685	13.54
Aroclor-1260	7.87	6.97	8.77	721544	720012	0.21
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	1070794	2.71
Aroclor-1260 {3}	9.71	8.81	10.61	864031	932340	7.91
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	2108002	9.59
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1578740	14.40
<b>Average %D</b>						<b>9.00</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/01/2012      Instrument ID: GC-Y

Data File: Y1354.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1658832	1638896	1.20
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2120197	9.75
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	3044311	4.15
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1593381	6.24
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2398510	2.43
Aroclor-1260	8.34	7.43	9.23	5968930	5762431	3.46
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2351483	2.23
Aroclor-1260 {3}	9.49	8.58	10.38	6310501	6515412	3.25
Aroclor-1260 {4}	9.97	9.06	10.86	3105620	3120310	0.47
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1238785	8.58
<b>Average %D</b>						4.18

Data File: Y1354.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.71	3.85	473344	540951	14.28
Aroclor-1016 {2}	4.38	4.30	4.44	943803	1023193	8.41
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2362333	13.70
Aroclor-1016 {4}	5.34	5.26	5.40	893712	994870	11.32
Aroclor-1016 {5}	5.51	5.44	5.58	682289	786736	15.31
Aroclor-1260	7.87	6.97	8.77	721544	733424	1.65
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	1097153	5.23
Aroclor-1260 {3}	9.71	8.81	10.61	864031	979530	13.37
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	2212069	15.00
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1615749	17.08
<b>Average %D</b>						11.53

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/04/2012      Instrument ID: GC-Y

Data File: Y1355.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.27	3.21	3.35	1658832	1945197	17.26
Aroclor-1016 {2}	4.10	4.04	4.18	2349133	2568445	9.34
Aroclor-1016 {3}	4.65	4.59	4.73	3176212	3523075	10.92
Aroclor-1016 {4}	5.16	5.09	5.23	1499750	1699042	13.29
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2729305	11.03
Aroclor-1260	8.34	7.43	9.23	5968930	6534086	9.47
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2642292	14.87
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	7326744	16.10
Aroclor-1260 {4}	9.97	9.06	10.86	3105620	3406583	9.69
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1402543	3.51
Average %D						11.55

Data File: Y1355.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.71	3.85	473344	536974	13.44
Aroclor-1016 {2}	4.38	4.30	4.44	943803	987456	4.63
Aroclor-1016 {3}	5.14	5.06	5.20	2077677	2275416	9.52
Aroclor-1016 {4}	5.35	5.26	5.40	893712	963927	7.86
Aroclor-1016 {5}	5.52	5.44	5.58	682289	753128	10.38
Aroclor-1260	7.88	6.97	8.77	721544	696301	3.50
Aroclor-1260 {2}	8.13	7.22	9.02	1042585	1019169	2.25
Aroclor-1260 {3}	9.72	8.81	10.61	864031	880993	1.96
Aroclor-1260 {4}	10.23	9.32	11.12	1923581	2007734	4.37
Aroclor-1260 {5}	10.82	9.91	11.71	1380032	1471870	6.65
Average %D						6.46

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/04/2012

Instrument ID: GC-Y

Data File: Y1360.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1658832	1925929	16.10
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2567865	9.31
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	3592329	13.10
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1635517	9.05
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2814503	14.49
Aroclor-1260	8.34	7.43	9.23	5968930	6853951	14.83
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	2611409	13.53
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	7221622	14.44
Aroclor-1260 {4}	9.97	9.06	10.86	3105620	3616879	16.46
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1338776	1.20
<b>Average %D</b>						12.25

Data File: Y1360.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.71	3.85	473344	564765	19.31
Aroclor-1016 {2}	4.38	4.30	4.44	943803	1065334	12.88
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2448146	17.83
Aroclor-1016 {4}	5.34	5.26	5.40	893712	1041239	16.51
Aroclor-1016 {5}	5.51	5.44	5.58	682289	818381	19.95
Aroclor-1260	7.87	6.97	8.77	721544	762396	5.66
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	1139015	9.25
Aroclor-1260 {3}	9.71	8.81	10.61	864031	976118	12.97
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	2198662	14.30
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1556328	12.77
<b>Average %D</b>						14.14

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/31/2012

Instrument ID: GC-Y

Data File: Y1302.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1658832	1545336	6.84
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2054362	12.55
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2820122	11.21
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1407003	6.18
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2184620	11.13
Aroclor-1260	8.33	7.43	9.23	5968930	4999566	16.24
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	1931592	16.03
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	5527505	12.41
Aroclor-1260 {4}	9.97	9.06	10.86	3105620	2861925	7.85
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1280019	5.54
Average %D						10.60

Data File: Y1302.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.71	3.85	473344	511352	8.03
Aroclor-1016 {2}	4.38	4.30	4.44	943803	970056	2.78
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2217229	6.72
Aroclor-1016 {4}	5.34	5.26	5.40	893712	942973	5.51
Aroclor-1016 {5}	5.51	5.44	5.58	682289	733318	7.48
Aroclor-1260	7.87	6.97	8.77	721544	653802	9.39
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	957212	8.19
Aroclor-1260 {3}	9.71	8.81	10.61	864031	798141	7.63
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	1746567	9.20
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1306388	5.34
Average %D						7.03

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/31/2012      Instrument ID: GC-Y

Data File: Y1317.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1658832	1562659	5.80
Aroclor-1016 {2}	4.11	4.04	4.18	2349133	2073127	11.75
Aroclor-1016 {3}	4.66	4.59	4.73	3176212	2890890	8.98
Aroclor-1016 {4}	5.17	5.09	5.23	1499750	1491321	0.56
Aroclor-1016 {5}	5.56	5.49	5.63	2458192	2258143	8.14
Aroclor-1260	8.34	7.43	9.23	5968930	4955544	16.98
Aroclor-1260 {2}	9.01	8.10	9.90	2300198	1918723	16.58
Aroclor-1260 {3}	9.48	8.58	10.38	6310501	5572783	11.69
Aroclor-1260 {4}	9.96	9.06	10.86	3105620	2737729	11.85
Aroclor-1260 {5}	11.02	10.12	11.92	1355022	1312790	3.12
Average %D						9.54

Data File: Y1317.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.71	3.85	473344	523757	10.65
Aroclor-1016 {2}	4.37	4.30	4.44	943803	990753	4.97
Aroclor-1016 {3}	5.13	5.06	5.20	2077677	2287566	10.10
Aroclor-1016 {4}	5.34	5.26	5.40	893712	963924	7.86
Aroclor-1016 {5}	5.51	5.44	5.58	682289	753906	10.50
Aroclor-1260	7.87	6.97	8.77	721544	801580	11.09
Aroclor-1260 {2}	8.12	7.22	9.02	1042585	1004102	3.69
Aroclor-1260 {3}	9.71	8.81	10.61	864031	832089	3.70
Aroclor-1260 {4}	10.22	9.32	11.12	1923581	1809668	5.92
Aroclor-1260 {5}	10.81	9.91	11.71	1380032	1261338	8.60
Average %D						7.71

## **PCB RETENTION TIME SHIFT SUMMARY**

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

**TCMX 1**    **2.82**                  **DCB 1**    **12.10**    **TCMX 2**    **2.90**                  **DCB 2**    **12.49**

	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2				
Client ID	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#	RT	#
PCB	BLKS120829-01	08/29/2012	23:44	2.82		12.10		2.90		12.49	
PILE_03_-	08707-011	08/30/2012	00:01	2.82		12.10		2.90		12.48	
VAULT_01-0	08707-001	08/30/2012	00:18	2.82		12.10		2.90		12.48	
VAULT_01-0	08707-002	08/30/2012	00:36	2.82		12.11		2.90		12.49	
VAULT_01-0	08707-003	08/30/2012	00:53	2.82		12.11		2.90		12.48	
VAULT_02-0	08707-004	08/30/2012	01:10	2.82		12.10		2.90		12.48	
VAULT_02-0	08707-005	08/30/2012	01:27	2.82		12.10		2.90		12.49	
SP-1	08696-001	08/30/2012	01:44	2.82		12.10		2.90		12.48	
V-44_(1.0-	08677-002	08/30/2012	02:19	2.82		12.10		2.90		12.48	
V-44_(2.0-	08677-003	08/30/2012	02:36	2.82		12.10		2.90		12.48	
V-44_(3.0-	08677-004	08/30/2012	02:53	2.82		12.10		2.90		12.48	
W-43_(2.0-	08677-007	08/30/2012	03:45	2.82		12.10		2.90		12.48	
W-43_(3.0-	08677-008	08/30/2012	04:02	2.82		12.10		2.90		12.49	
U-45_(1.0-	08677-010	08/30/2012	04:36	2.82		12.10		2.90		12.48	
U-45_(2.0-	08677-011	08/30/2012	04:54	2.82		12.10		2.90		12.48	
U-45_(3.0-	08677-012	08/30/2012	05:11	2.82		12.10		2.90		12.48	
T-45_(0-1.	08677-013	08/30/2012	05:28	2.82		12.10		2.90		12.48	
PCB	08707-011MS	08/30/2012	05:45	2.82		12.10		2.90		12.48	
PCB	08707-011MSD	08/30/2012	06:02	2.82		12.10		2.90		12.48	
PCB	LCSS120829-01	08/30/2012	06:20	2.82		12.10		2.90		12.48	
V-44_(0-1.	08677-001	08/30/2012	18:42	2.82		12.10		2.90		12.48	
W-43_(0-1.	08677-005	08/30/2012	18:59	2.82		12.11		2.90		12.48	
W-43_(1.0-	08677-006	08/30/2012	19:16	0.00	D	0.00	D	0.00	D	0.00	D
U-45_(0-1.	08677-009	08/30/2012	19:33	2.82		12.10		2.90		12.48	

## Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene**

(  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl

(  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

### M Matrix interference

E12-08677

0075

## **PCB RETENTION TIME SHIFT SUMMARY**

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

**TCMX 1**    **2.82**                  **DCB 1**    **12.10**    **TCMX 2**    **2.90**                  **DCB 2**    **12.48**

	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2				
Client ID	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#	RT	#
PCB	BLKS120829-05	08/30/2012	07:28	2.82		12.10		2.90		12.48	
T-45_(1.0-	08677-014	08/30/2012	07:46	2.82		12.10		2.90		12.48	
T-45_(2.0-	08677-015	08/30/2012	08:03	2.82		12.10		2.90		12.48	
T-45_(3.0-	08677-016	08/30/2012	08:20	2.82		12.10		2.90		12.48	
X-43_(1.0-	08677-018	08/30/2012	08:54	2.82		12.10		2.90		12.48	
X-43_(3.0-	08677-020	08/30/2012	09:29	2.82		12.10		2.90		12.48	
Y-43_(3.0-	08677-024	08/30/2012	10:37	2.82		12.10		2.90		12.49	
Z-42_(3.0-	08734-004	08/30/2012	12:38	2.82		12.10		2.90		12.48	
PCB	LCSS120829-05	08/30/2012	14:04	2.82		12.10		2.90		12.48	
X-43_(0-1.	08677-017	09/01/2012	02:52	0.00	D	0.00	D	0.00	D	0.00	D
X-43_(2.0-	08677-019	09/01/2012	03:09	2.82		12.11		2.91		12.49	
Y-43_(2.0-	08677-023	09/01/2012	04:01	2.82		12.10		2.90		12.49	
Y-42_(0-1.	08677-025	09/01/2012	04:18	0.00	D	0.00	D	0.00	D	0.00	D
Y-42_(1.0-	08677-026	09/01/2012	04:35	0.00	D	0.00	D	0.00	D	0.00	D
Y-42_(3.0-	08677-028	09/01/2012	04:52	2.82		12.11		2.90		12.48	
Z-42_(0-1.	08734-001	09/01/2012	05:10	2.82		12.11		2.91		12.49	
Z-42_(1.0-	08734-002	09/01/2012	05:27	0.00	D	0.00	D	0.00	D	0.00	D
Z-42_(2.0-	08734-003	09/01/2012	05:44	2.82		12.11		2.91		12.49	
AA-41_(0-1	08734-005	09/01/2012	06:01	2.82		12.11		2.90		12.49	
Y-42_(2.0-	08677-027	09/01/2012	06:18	2.82		12.10		2.90		12.48	
PCB	08677-027MS	09/01/2012	06:36	2.82		12.10		2.91		12.49	
PCB	08677-027MSD	09/01/2012	06:53	2.82		12.11		2.90		12.48	
Y-43_(0-1.	08677-021	09/04/2012	18:07	0.00	D	0.00	D	0.00	D	0.00	D
Y-43_(1.0-	08677-022	09/04/2012	18:24	0.00	D	0.00	D	0.00	D	0.00	D

## Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene**

(  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl

(  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

#### \* Values outside of QC limits

D Surrogate diluted out

### M Matrix interference

# PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-YColumn: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.82</u>	DCB 1	<u>12.11</u>	TCMX 2	<u>2.90</u>	DCB 2	<u>12.49</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA120830-03	08/31/2012	15:11	2.82	12.11	2.90	12.49
ORD-V12-20	08657-001	08/31/2012	15:29	2.82	12.11	2.91	12.49
MW-1	08673-002	08/31/2012	15:46	2.82	12.11	2.91	12.49
FB-32	08677-029	08/31/2012	16:03	2.82	12.11	2.91	12.49
FB08282012	08707-006	08/31/2012	16:20	2.82	12.11	2.91	12.49
TWP-1	08752-001	08/31/2012	16:37	2.82	12.11	2.91	12.49
TWP-2	08752-002	08/31/2012	16:55	2.82	12.10	2.91	12.49
TWP-3	08752-003	08/31/2012	17:12	2.82	12.11	2.90	12.49
TWP-4	08752-004	08/31/2012	17:29	2.82	12.11	2.90	12.49
TWP-6	08752-005	08/31/2012	17:59	2.81	12.11	2.91	12.49
TWP-8	08752-006	08/31/2012	18:16	2.82	12.10	2.90	12.48
PCB	08673-002MS	08/31/2012	18:33	2.82	12.10	2.90	12.49
PCB	08673-002MSD	08/31/2012	18:50	2.82	12.10	2.90	12.49
PCB	LCSA120830-03	08/31/2012	19:07	2.82	12.11	2.90	12.49

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

( ± 0.10 Minutes )

DCB = Decachlorobiphenyl

( ± 0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**PCB SAMPLE DATA**

E12-08677 0078

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1262.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 18:42  
 Operator : YG  
 Sample : V-44\_0-1.,08677-001,S,5.08g,74.8,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,2  
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 11:20:41 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	14288.5E6	4227.7E6	146.624m	158.620m
Spiked Amount	200.000			Recovery	= 73.31%	79.31%
2) S DCB	12.10	12.48	2732.0E6	1118.3E6	134.359m	129.136m
Spiked Amount	200.000			Recovery	= 67.18%	64.57%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	5669.3E6	1602.6E6	1548.273	1542.105
24) L6 Aroclor-1248	{2}	5.05	5.71	3603.4E6	2945.5E6	1797.137
25) L6 Aroclor-1248	{3}	5.37	6.11	4920.9E6	2068.8E6	1972.001
26) L6 Aroclor-1248	{4}	6.07	6.26	8984.8E6	1457.0E6	1985.867m
27) L6 Aroclor-1248	{5}	6.33	6.61	6096.4E6	831.2E6	1943.156
Sum Aroclor-1248				29274.8E6	8905.1E6	9246.433
Average Aroclor-1248					1849.287	1680.131
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.87	11241.8E6	2746.6E6	1883.378m	3806.575 #
34) L8 Aroclor-1260	{2}	9.00	8.12	2632.7E6	1745.8E6	1144.565m
35) L8 Aroclor-1260	{3}	9.48	9.71	7861.1E6	1294.1E6	1245.718
36) L8 Aroclor-1260	{4}	9.96	10.22	3316.5E6	2627.4E6	1067.889
37) L8 Aroclor-1260	{5}	11.02	10.80	1705.9E6	1811.5E6	1258.961
Sum Aroclor-1260				26758.0E6	10225.5E6	6600.510
Average Aroclor-1260					1320.102	1931.481
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1262.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 18:42  
Operator : YG  
Sample : V-44\_(0-1.,08677-001,S,5.08g,74.8,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,2  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 31 11:20:41 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

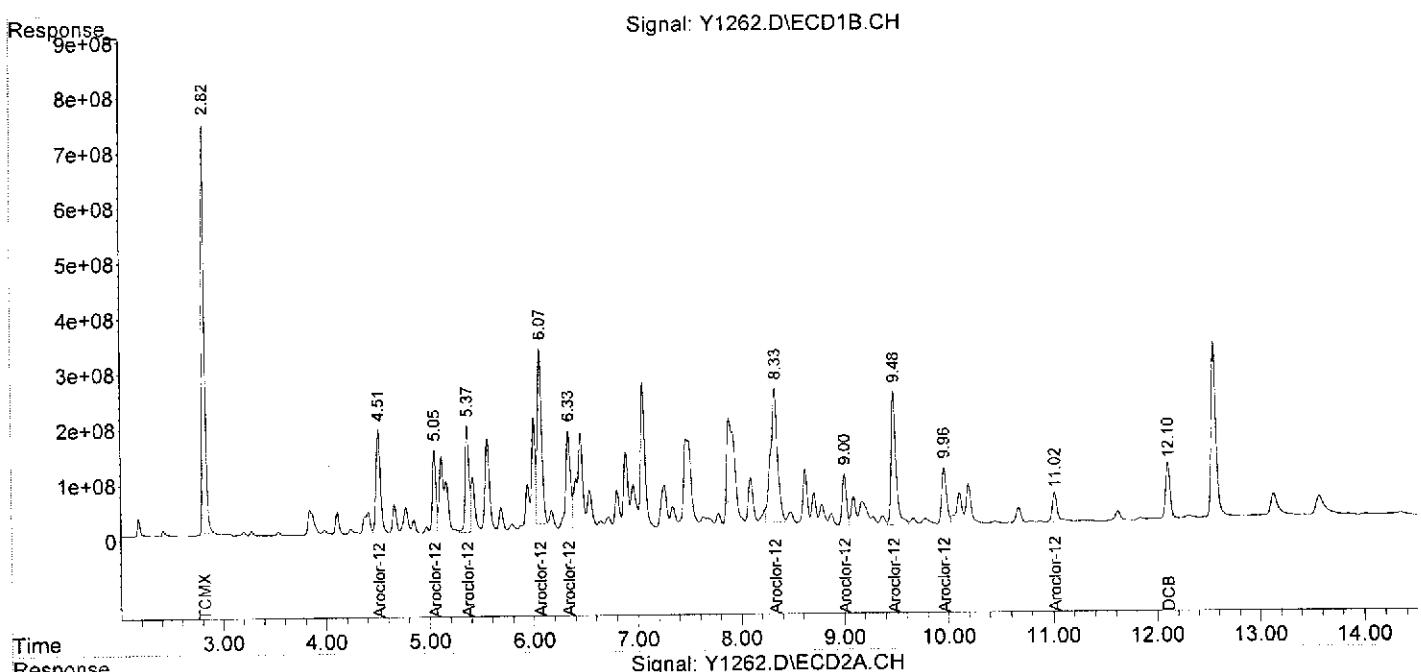
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1262.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 18:42  
 Operator : YG  
 Sample : V-44 (0-1., 08677-001, S, 5.08g, 74.8, 08/29/12, 4  
 Misc : 120829-01, 08/27/12, 08/27/12, 2  
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 11:20:41 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1213.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 2:19  
 Operator : YG  
 Sample : V-44\_(1.0-,08677-002,S,5.23g,78.6,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:23:12 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1)	S TCMX	2.82	2.90	24295.7E6	7631.2E6	249.314	286.317
	Spiked Amount	200.000		Recovery	=	124.66%	143.16%
2)	S DCB	12.10	12.48	4899.4E6	2288.7E6	240.949m	264.290m
	Spiked Amount	200.000		Recovery	=	120.47%	132.15%
<hr/>							
System Monitoring Compounds							
23)	L6 Aroclor-1016	4.51	5.12	4706.6E6	1323.8E6	1285.365	1273.843
24)	L6 Aroclor-1221	{2}	5.04	5.70	2282.3E6	1957.9E6	1138.286
25)	Average Aroclor-1016	{3}	5.37	6.11	2825.7E6	1213.5E6	1132.361
26)	Sum Aroclor-1221	{4}	6.06	6.26	5139.4E6	918.2E6	1135.928
27)	Average Aroclor-1221	{5}	6.33	6.61	3343.8E6	481.4E6	1065.799
	Sum Aroclor-1242			18297.8E6	5894.8E6	5757.739	5500.123
	Average Aroclor-1242					1151.548	1100.025
33)	Sum Aroclor-1248			0	0	N.D.	N.D.
34)	Average Aroclor-1248					0.000	0.000
35)	Sum Aroclor-1254			0	0	N.D.	N.D.
36)	Average Aroclor-1254					0.000	0.000
37)	Sum Aroclor-1260			8.33	7.87	10382.1E6	2271.5E6
	Average Aroclor-1260	{2}	9.00	8.12	4146.0E6	1855.3E6	1802.466
	Sum Aroclor-1260	{3}	9.48	9.71	11773.4E6	1796.8E6	1865.678
	Average Aroclor-1260	{4}	9.96	10.22	4766.4E6	4265.0E6	1534.756
	Sum Aroclor-1260	{5}	11.01	10.80	2425.4E6	3137.0E6	1789.959
	Average Aroclor-1260				33493.3E6	13325.7E6	2273.155
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1213.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 2:19  
Operator : YG  
Sample : V-44\_(1.0-,08677-002,S,5.23g,78.6,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:23:12 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

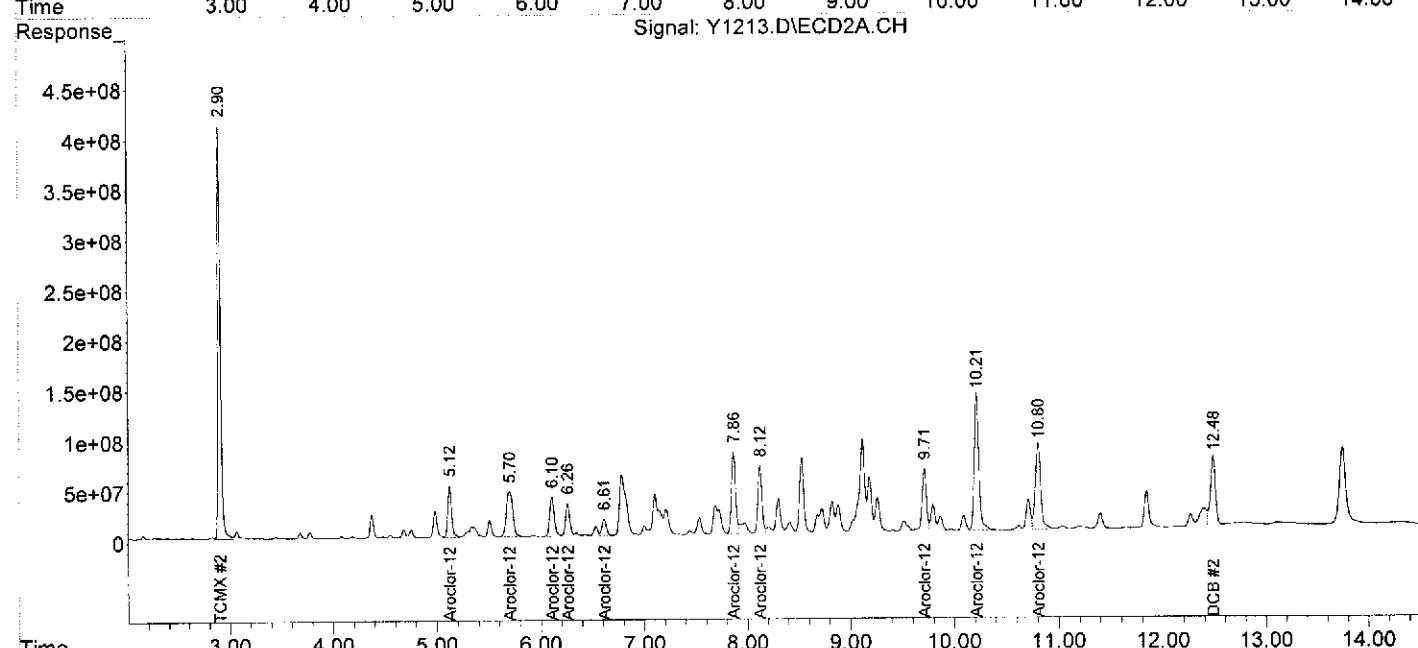
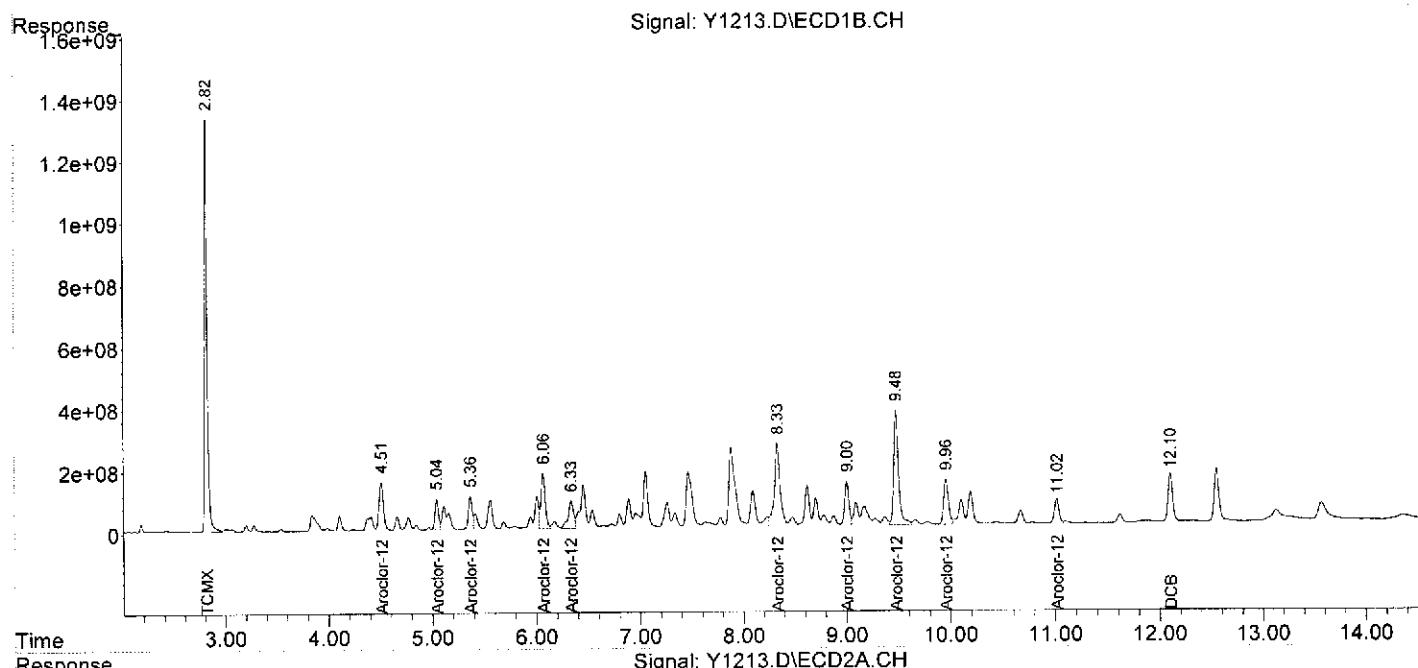
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1213.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 2:19  
Operator : YG  
Sample : V-44\_(1.0-,08677-002,S,5.23g,78.6,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:23:12 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1214.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 2:36  
 Operator : YG  
 Sample : V-44\_(2.0-,08677-003,S,5.16g,72.3,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:24:44 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	27506.5E6	8121.4E6	282.263	304.711
Spiked Amount	200.000			Recovery	= 141.13%	152.36%
2) S DCB	12.10	12.48	6000.1E6	2338.3E6	295.078m	270.014m
Spiked Amount	200.000			Recovery	= 147.54%	135.01%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	261.9E6	82619499	71.514	79.500
24) L6 Aroclor-1248 {2}	5.05	5.71	180.1E6	139.7E6	89.800	91.120
25) L6 Aroclor-1248 {3}	5.36	6.11	438.7E6	91785954	175.802	84.569 #
26) L6 Aroclor-1248 {4}	6.07	6.26	443.4E6	66635602	97.992	67.702 #
27) L6 Aroclor-1248 {5}	6.33	6.61	273.8E6	36747941	87.258	68.564
Sum Aroclor-1248			1597.7E6	417.5E6	522.364	391.456
Average Aroclor-1248					104.473	78.291
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.87	565.7E6	111.8E6	94.780m	154.945m#
34) L8 Aroclor-1260 {2}	9.01	8.12	170.0E6	85066502	73.902m	81.592m
35) L8 Aroclor-1260 {3}	9.48	9.71	424.0E6	62475345	67.193m	72.307m
36) L8 Aroclor-1260 {4}	9.96	10.22	170.8E6	163.6E6	54.994m	85.040m#
37) L8 Aroclor-1260 {5}	11.02	10.80	123.0E6	84873599	90.788m	61.501m#
Sum Aroclor-1260			1453.6E6	507.8E6	381.658	455.385
Average Aroclor-1260					76.332	91.077
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1214.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 2:36  
Operator : VG  
Sample : V-44\_(2.0-,08677-003,S,5.16g,72.3,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:24:44 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

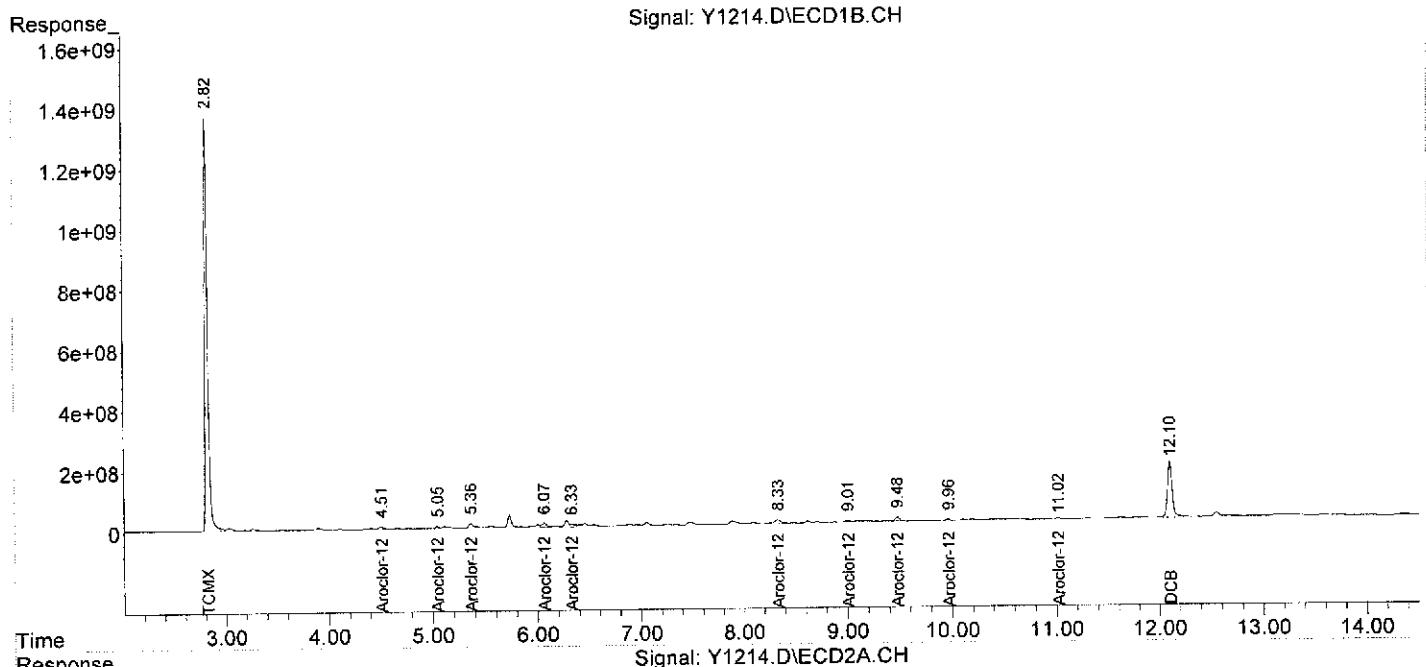
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1214.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 2:36  
 Operator : YG  
 Sample : V-44\_(2.0-,08677-003,S,5.16g,72.3,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:24:44 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1215.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 2:53  
 Operator : YG  
 Sample : V-44\_(3.0-,08677-004,S,5.80g,62.0,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:48:47 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	25062.3E6	7284.7E6	257.181	273.320
Spiked Amount	200.000			Recovery	= 128.59%	136.66%
2) S DCB	12.10	12.48	5449.6E6	1987.5E6	268.006	229.512m
Spiked Amount	200.000			Recovery	= 134.00%	114.76%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	15614277	8435286	4.264m	8.117 #
24) L6 Aroclor-1248 {2}	5.04	5.70	17824293	9981157	8.890	6.511 #
25) L6 Aroclor-1248 {3}	5.36	6.11	43059315	10425750	17.256m	9.606 #
26) L6 Aroclor-1248 {4}	6.07	6.26	22788021	5556779	5.037	5.646
27) L6 Aroclor-1248 {5}	0.00	6.61	0	3664014	N.D. d	6.836 #
Sum Aroclor-1248			99285906	38062986	35.446	36.715
Average Aroclor-1248					8.862	7.343
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

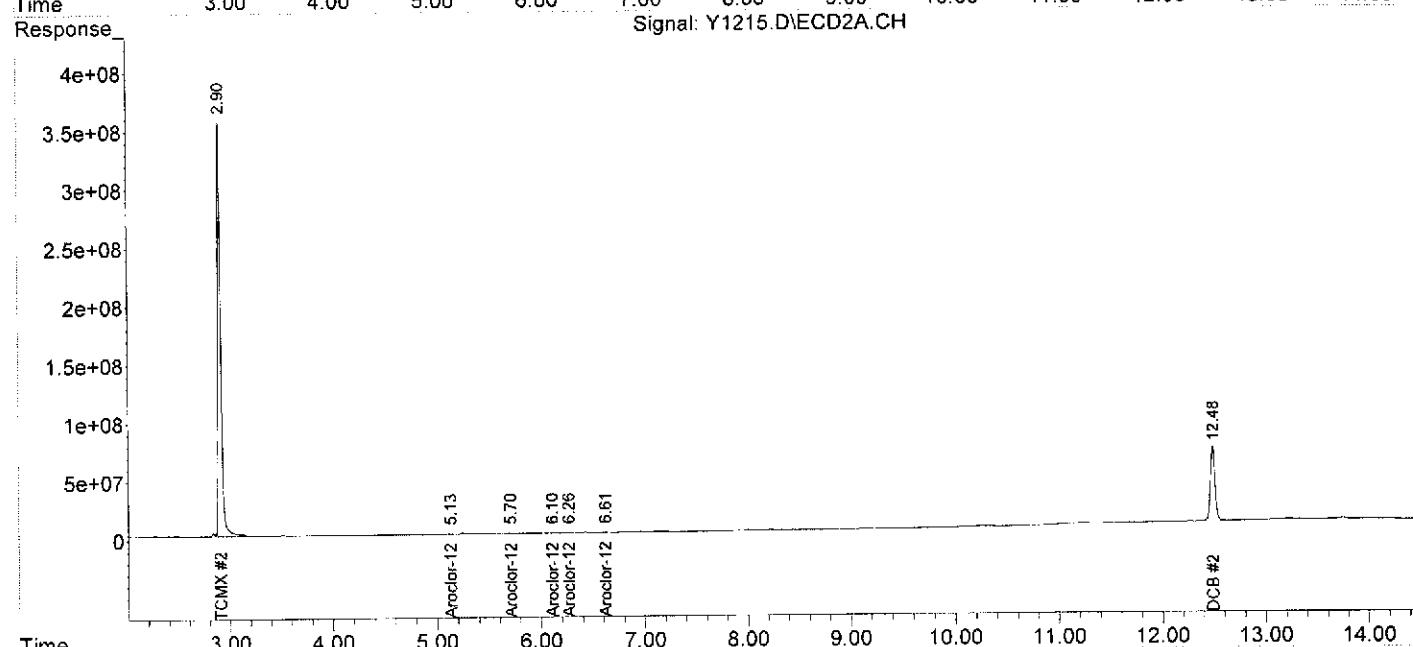
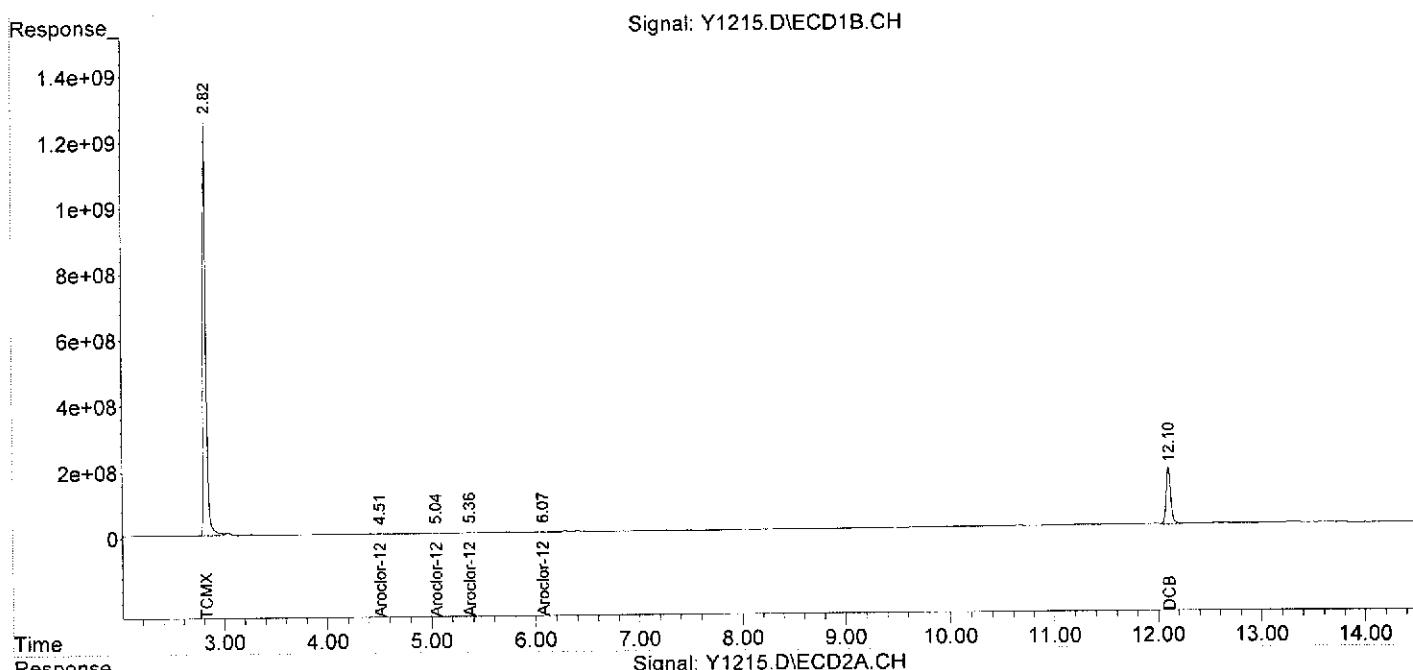
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1215.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 2:53  
Operator : YG  
Sample : V-44\_(3.0-,08677-004,S,5.80g,62.0,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:48:47 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1263.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 18:59  
 Operator : YG  
 Sample : W-43\_(0-1.,08677-005,S,5.44g,54.9,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,10  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 10:35:16 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1)	S TCMX	2.82	2.90	2211.3E6	652.5E6	22.691	24.481
	Spiked Amount	200.000		Recovery	=	11.35%	12.24%
2)	S DCB	12.11	12.48	556.7E6	295.4E6	27.376m	34.115m
	Spiked Amount	200.000		Recovery	=	13.69%	17.06%
<hr/>							
System Monitoring Compounds							
28)	L7 Aroclor-1254	6.46	7.10	2068.9E6	704.2E6	463.652	549.478
29)	L7 Aroclor-1254 {2}	6.89	7.69	1291.6E6	590.9E6	470.558	610.997 #
30)	L7 Aroclor-1254 {3}	7.06	8.31	2660.2E6	554.8E6	505.383	611.300
31)	L7 Aroclor-1254 {4}	7.49	8.53	1980.5E6	636.4E6	384.057	1194.937 #
32)	L7 Aroclor-1254 {5}	8.34	9.12	3553.0E6	1042.4E6	835.929	831.727
	Sum Aroclor-1254			11554.2E6	3528.6E6	2659.580	3798.439
	Average Aroclor-1254					531.916	759.688
33)	L8 Aroclor-1260	8.34	7.87	3553.0E6	928.3E6	595.241	1286.596 #
34)	L8 Aroclor-1260 {2}	9.00	8.12	1205.9E6	595.9E6	524.247	571.557
35)	L8 Aroclor-1260 {3}	9.48	9.71	3007.4E6	511.8E6	476.578	592.317
36)	L8 Aroclor-1260 {4}	9.96	10.22	1237.5E6	961.1E6	398.485	499.648 #
37)	L8 Aroclor-1260 {5}	11.02	10.80	686.2E6	720.6E6	506.447	522.191
	Sum Aroclor-1260			9690.1E6	3717.8E6	2500.998	3472.309
	Average Aroclor-1260					500.200	694.462
<hr/>							
	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1263.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 18:59  
Operator : YG  
Sample : W-43\_(0-1.,08677-005,S,5.44g,54.9,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,10  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 31 10:35:16 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

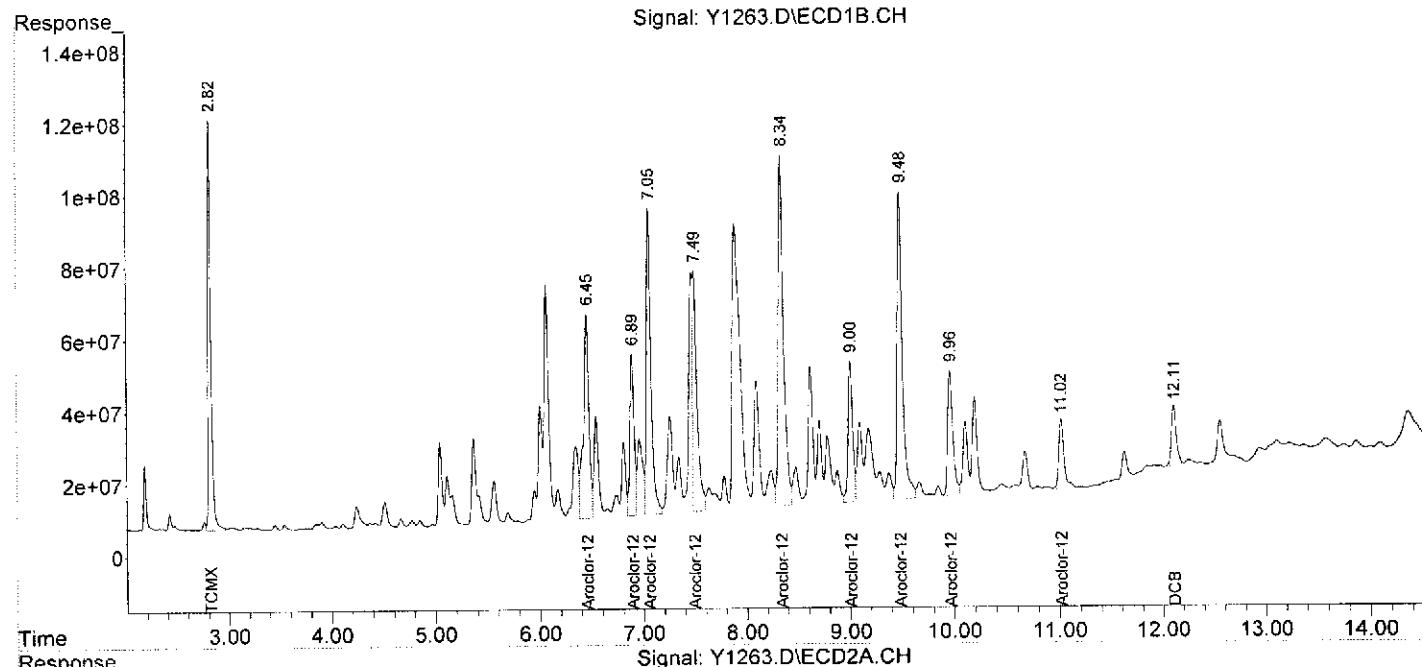
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1263.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 18:59  
 Operator : YG  
 Sample : W-43\_(0-1.,08677-005,S,5.44g,54.9,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,10  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 10:35:16 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1264.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 19:16  
 Operator : YG  
 Sample : W-43\_(1.0-,08677-006,S,5.62g,70.4,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,100  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 10:36:19 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

#### System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	662.9E6	123.5E6	378.565	378.835
19) L5 Aroclor-1242 {2}	5.05	5.51	672.9E6	241.5E6	633.116	443.400 #
20) L5 Aroclor-1242 {3}	5.37	6.11	1077.9E6	431.3E6	751.117	624.422
21) L5 Aroclor-1242 {4}	6.07	6.26	1093.3E6	335.1E6	448.642	589.422 #
22) L5 Aroclor-1242 {5}	6.34	6.79	1103.0E6	463.3E6	510.663	423.784
Sum Aroclor-1242			4610.0E6	1594.7E6	2722.104	2459.863
Average Aroclor-1242					544.421	491.973
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

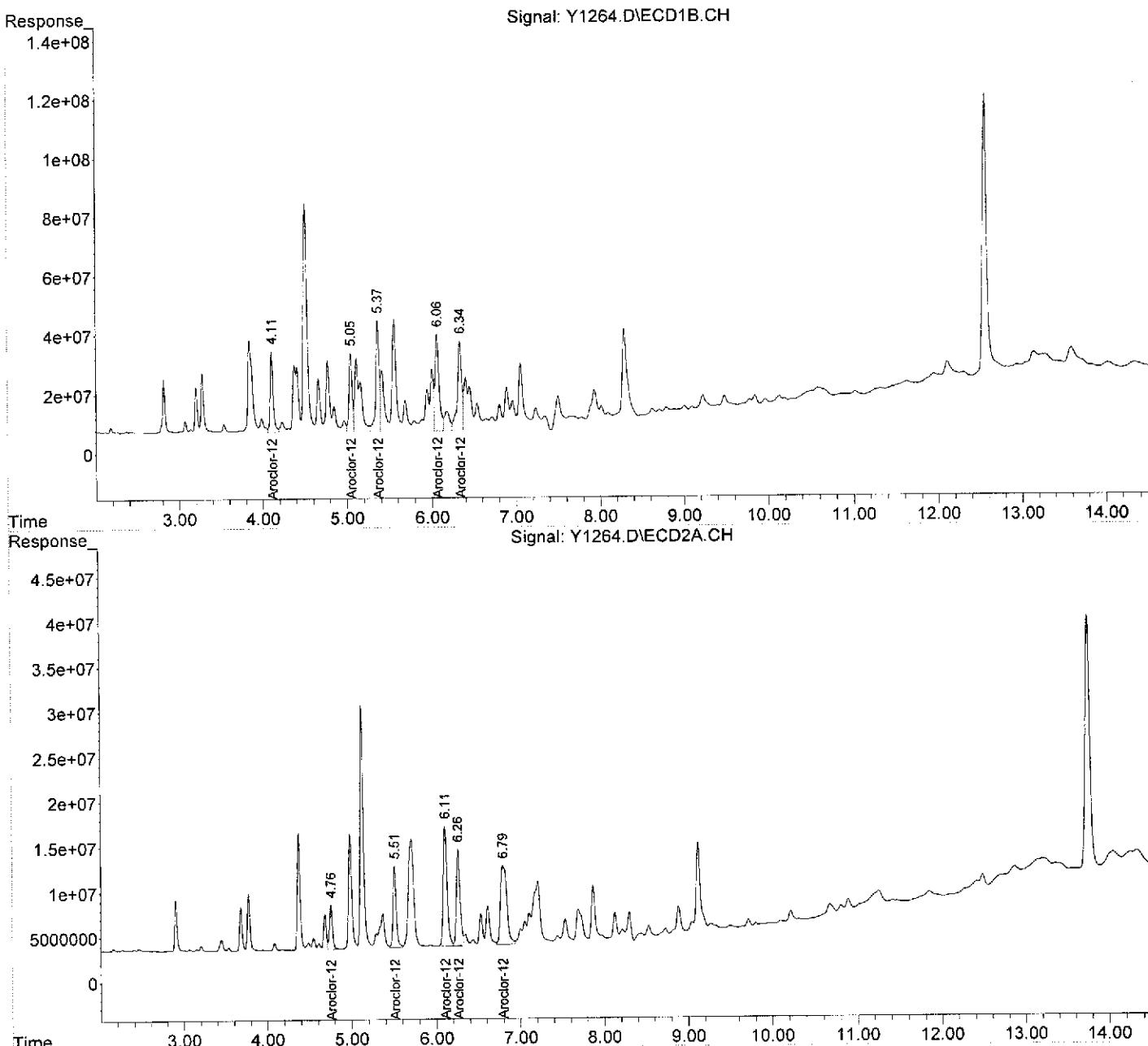
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

**Quantitation Report (QT Reviewed)**

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1264.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 19:16  
Operator : YG  
Sample : W-43\_(1.0-,08677-006,S,5.62g,70.4,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,100  
ALS Vial : 4 Sample Multiplier: 1

```
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 31 10:36:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M
Quant Title :
QLast Update : Tue Aug 28 07:53:32 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped
```

Volume Inj. : Signal #1 Phase : Signal #2 Phase :  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1218.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 3:45  
 Operator : YG  
 Sample : W-43\_(2.0-,08677-007,S,5.74g,86.5,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:51:08 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

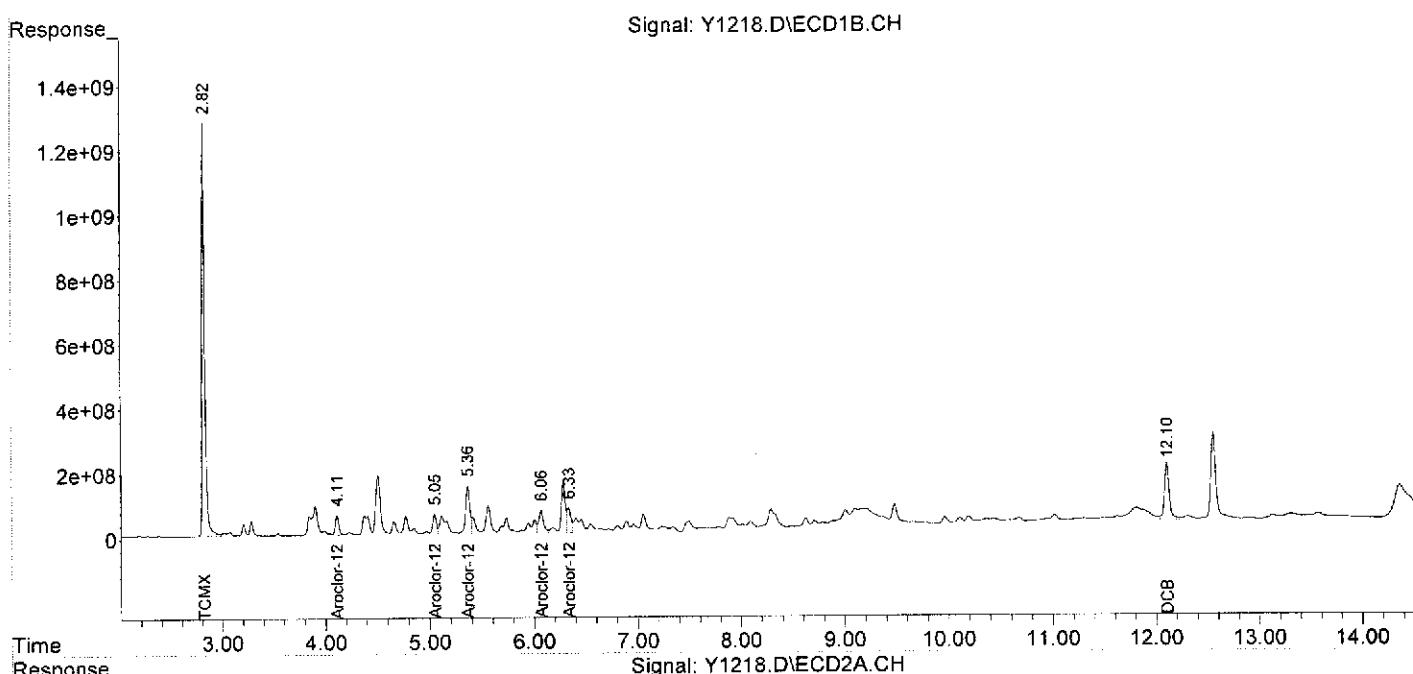
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24377.1E6	8095.8E6	250.150	303.750
Spiked Amount	200.000			Recovery	= 125.08%	151.88%
2) S DCB	12.10	12.48	5771.9E6	2728.2E6	283.858m	315.040m
Spiked Amount	200.000			Recovery	= 141.93%	157.52%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	1527.7E6	263.8E6	872.429	809.420
19) L5 Aroclor-1242 {2}	5.05	5.51	1534.8E6	571.8E6	1444.040	1049.641 #
20) L5 Aroclor-1242 {3}	5.36	6.11	4330.7E6	1017.8E6	3017.651	1473.432 #
21) L5 Aroclor-1242 {4}	6.07	6.26	2261.2E6	760.1E6	927.943	1336.954 #
22) L5 Aroclor-1242 {5}	6.33	6.79	2140.7E6	960.4E6	991.086	878.501
Sum Aroclor-1242			11795.1E6	3573.9E6	7253.149	5547.948
Average Aroclor-1242					1450.630	1109.590
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1218.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 3:45  
Operator : YG  
Sample : W-43\_(2.0-,08677-007,S,5.74g,86.5,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:51:08 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1219.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 4:02  
 Operator : YG  
 Sample : W-43\_(3.0-,08677-008,S,5.12g,81.9,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:57:39 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

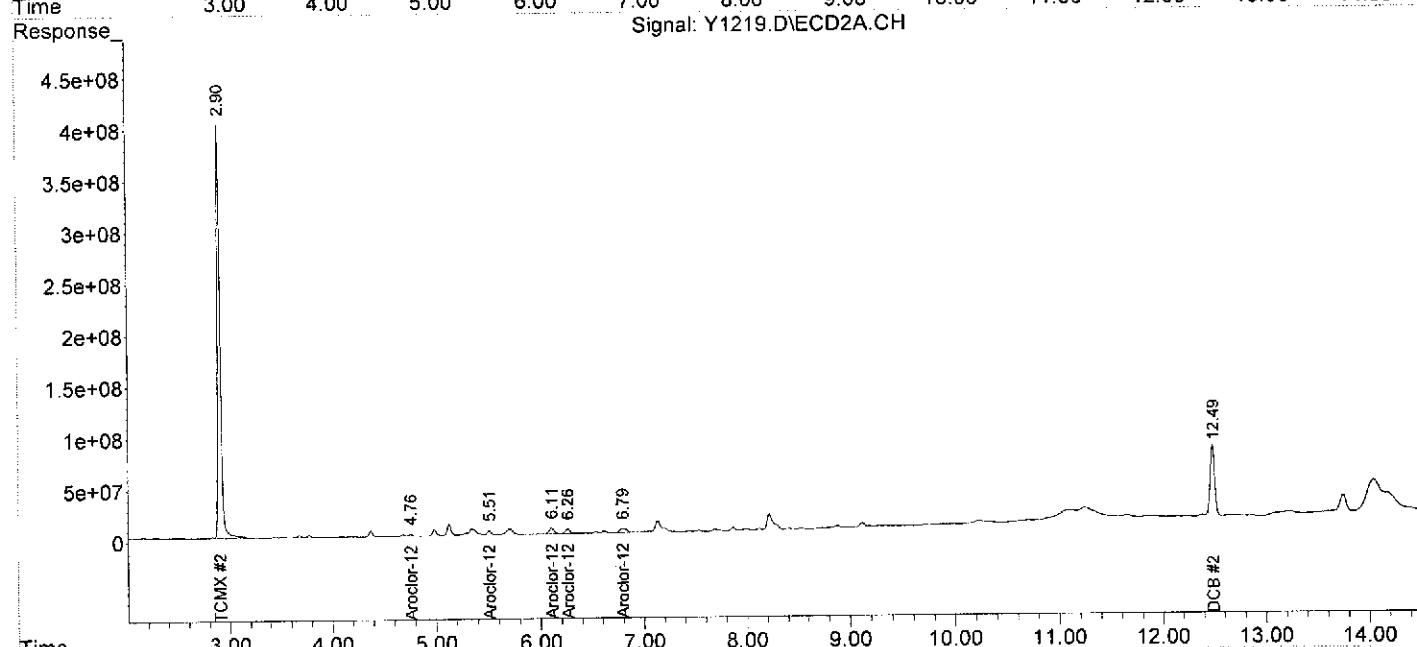
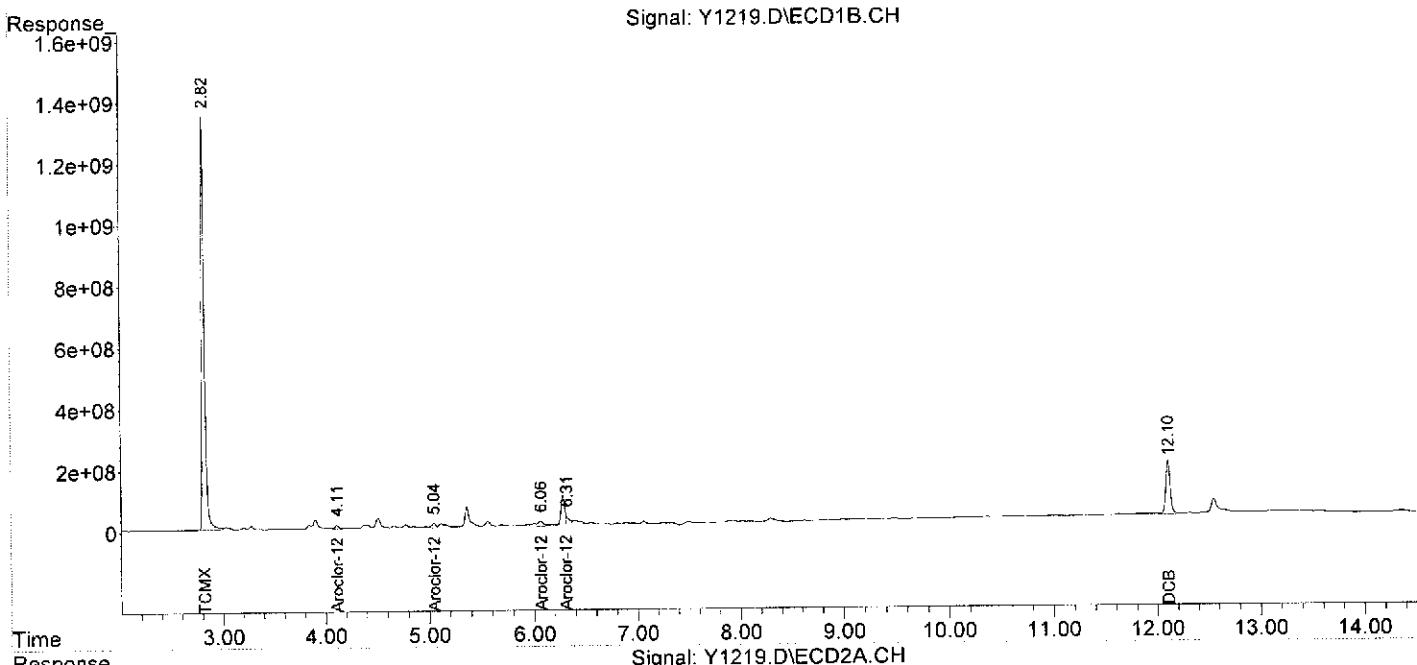
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	26632.5E6	8066.9E6	273.294	302.665
Spiked Amount	200.000			Recovery	= 136.65%	151.33%
2) S DCB	12.10	12.49	5359.3E6	2175.8E6	263.567m	251.247m
Spiked Amount	200.000			Recovery	= 131.78%	125.62%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	320.7E6	47540540	183.162	145.849
19) L5 Aroclor-1242 {2}	5.04	5.51	383.9E6	117.3E6	361.178	215.256 #
20) L5 Aroclor-1242 {3}	0.00	6.11	0	186.0E6	N.D. d	269.299m#
21) L5 Aroclor-1242 {4}	6.07	6.26	643.2E6	142.8E6	263.953	251.236
22) L5 Aroclor-1242 {5}	6.31	6.79	467.4E6	195.7E6	216.382m	179.055
Sum Aroclor-1242			1815.2E6	689.4E6	1024.675	1060.695
Average Aroclor-1242					256.169	212.139
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1219.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 4:02  
 Operator : YG  
 Sample : W-43\_(3.0-,08677-008,S,5.12g,81.9,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:57:39 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1265.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 19:33  
 Operator : YG  
 Sample : U-45\_(0-1.,08677-009,S,5.65g,79.0,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,2  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 11:21:04 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	13516.8E6	4087.6E6	138.705	153.365m
Spiked Amount	200.000			Recovery	=	69.35% 76.68%
2) S DCB	12.10	12.48	2897.5E6	1202.0E6	142.495m	138.805m
Spiked Amount	200.000			Recovery	=	71.25% 69.40%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	4067.6E6	1204.7E6	1110.858	1159.215
24) L6 Aroclor-1248	{2}	5.05	2691.4E6	2346.9E6	1342.296	1530.831
25) L6 Aroclor-1248	{3}	5.37	6.11	3937.7E6	1827.1E6	1577.988
26) L6 Aroclor-1248	{4}	6.06	6.26	5705.2E6	1388.4E6	1260.984
27) L6 Aroclor-1248	{5}	6.33	6.61	4201.0E6	736.8E6	1339.028
Sum Aroclor-1248				20602.9E6	7503.8E6	6631.154
Average Aroclor-1248					1326.231	1431.744
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

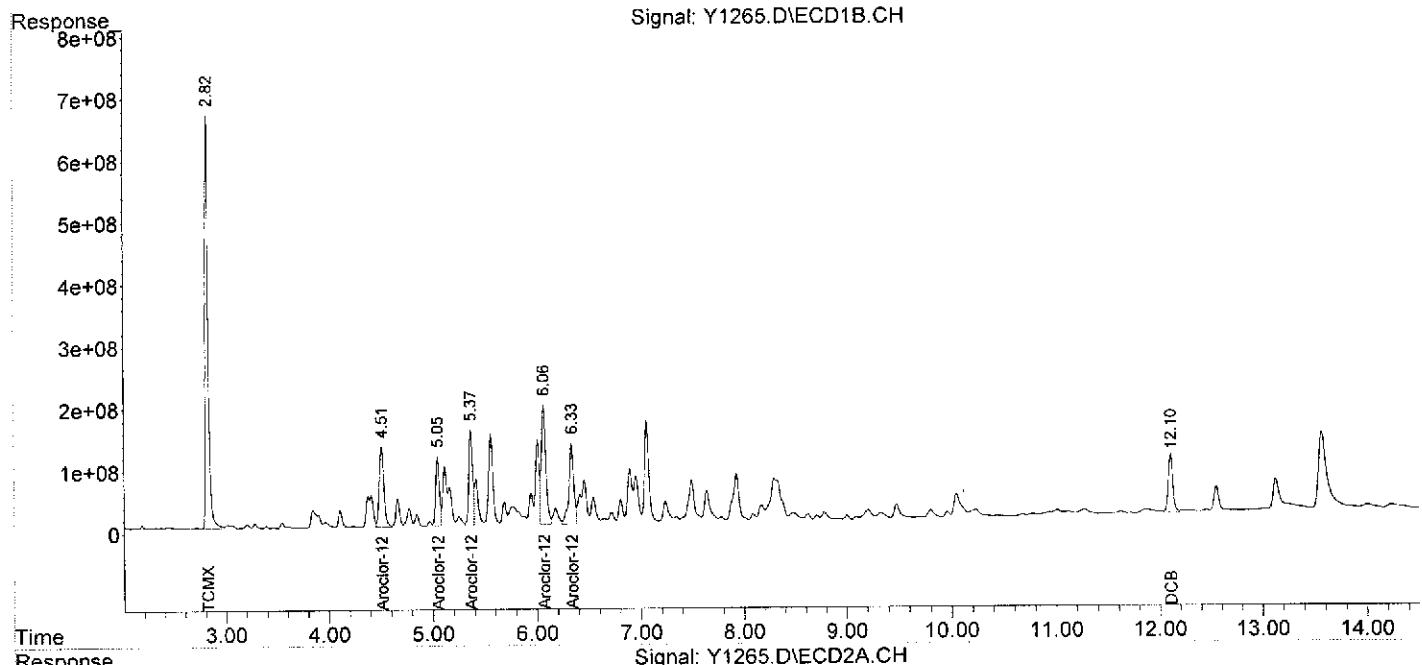
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1265.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 19:33  
Operator : YG  
Sample : U-45\_(0-1.,08677-009,S,5.65g,79.0,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,2  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 31 11:21:04 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1221.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 4:36  
 Operator : YG  
 Sample : U-45\_(1.0-,08677-010,S,5.34g,79.5,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 10:58:54 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

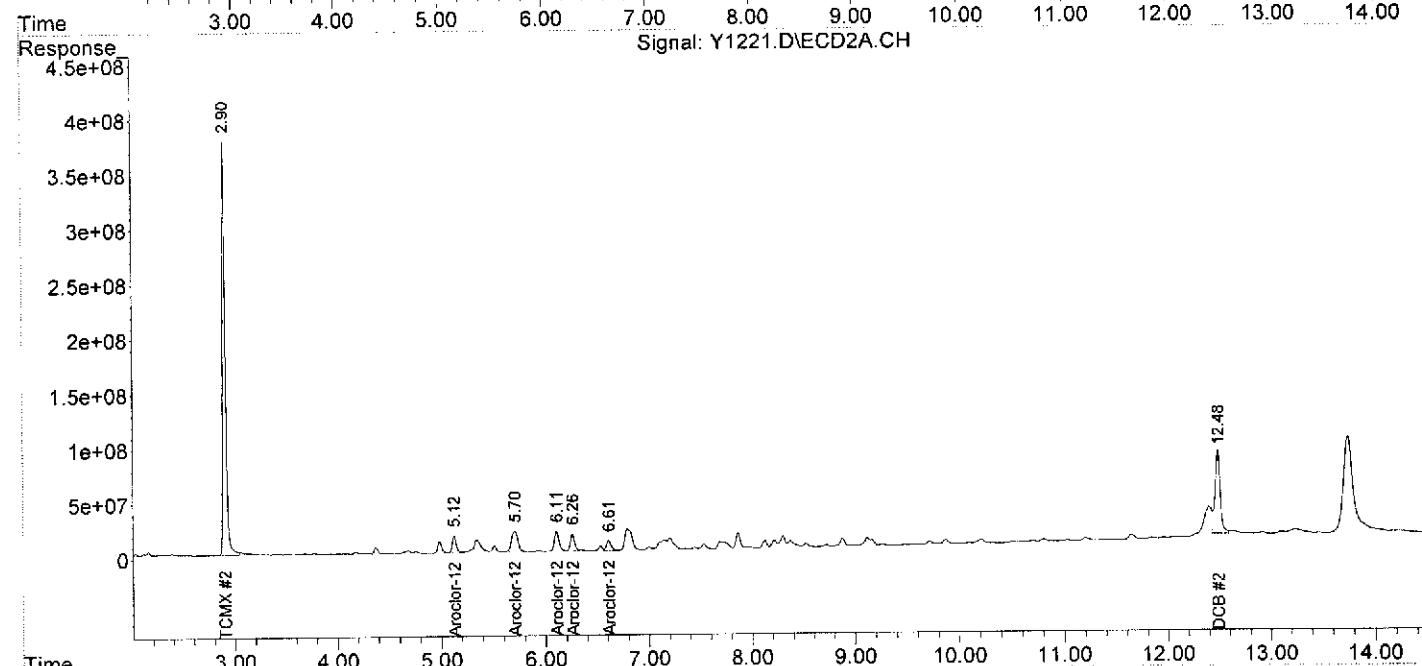
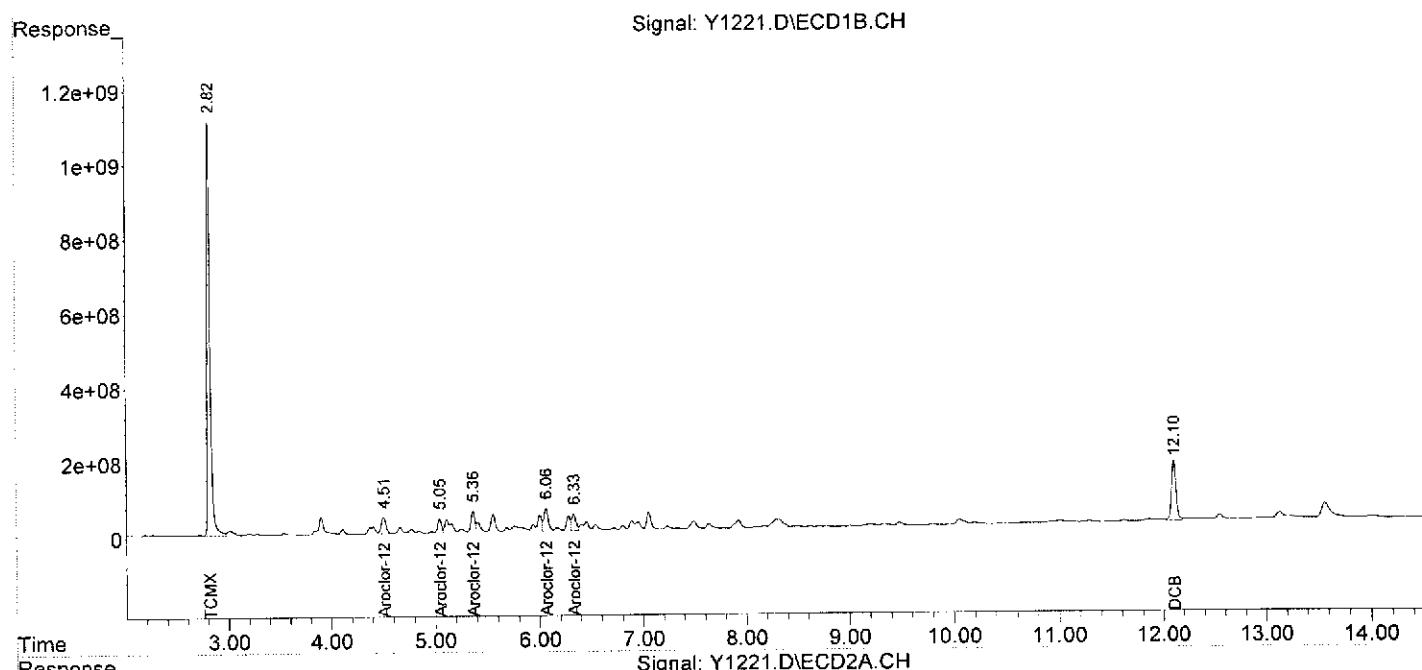
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1)	S TCMX	2.82	2.90	22389.6E6	7515.1E6	229.755	281.964
	Spiked Amount	200.000		Recovery	=	114.88%	140.98%
2)	S DCB	12.10	12.48	4859.7E6	2719.1E6	238.996m	313.993m#
	Spiked Amount	200.000		Recovery	=	119.50%	157.00%
<hr/>							
System Monitoring Compounds							
23)	L6 Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
24)	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
25)	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
26)	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
27)	L6 Aroclor-1248	4.51	5.13	1436.9E6	407.7E6	392.402	392.276
	{2} Aroclor-1248	5.05	5.71	920.1E6	826.2E6	458.883	538.943
	{3} Aroclor-1248	5.36	6.11	1476.1E6	585.7E6	591.544	539.647
	{4} Aroclor-1248	6.06	6.26	1854.4E6	449.1E6	409.858	456.273
	{5} Aroclor-1248	6.33	6.61	1341.1E6	292.2E6	427.472	545.123 #
	Sum Aroclor-1248			7028.6E6	2560.9E6	2280.159	2472.262
	Average Aroclor-1248					456.032	494.452
<hr/>							
28)	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
29)	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
30)	Sum Aroclor-1262			0	0	N.D.	N.D.
	Average Aroclor-1262					0.000	0.000
31)	Sum Aroclor-1268			0	0	N.D.	N.D.
	Average Aroclor-1268					0.000	0.000
<hr/>							

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1221.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 4:36  
Operator : YG  
Sample : U-45 (1.0-,08677-010,S,5.34g,79.5,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 10:58:54 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1222.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 4:54  
 Operator : YG  
 Sample : U-45\_(2.0-,08677-011,S,5.56g,81.6,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:00:29 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

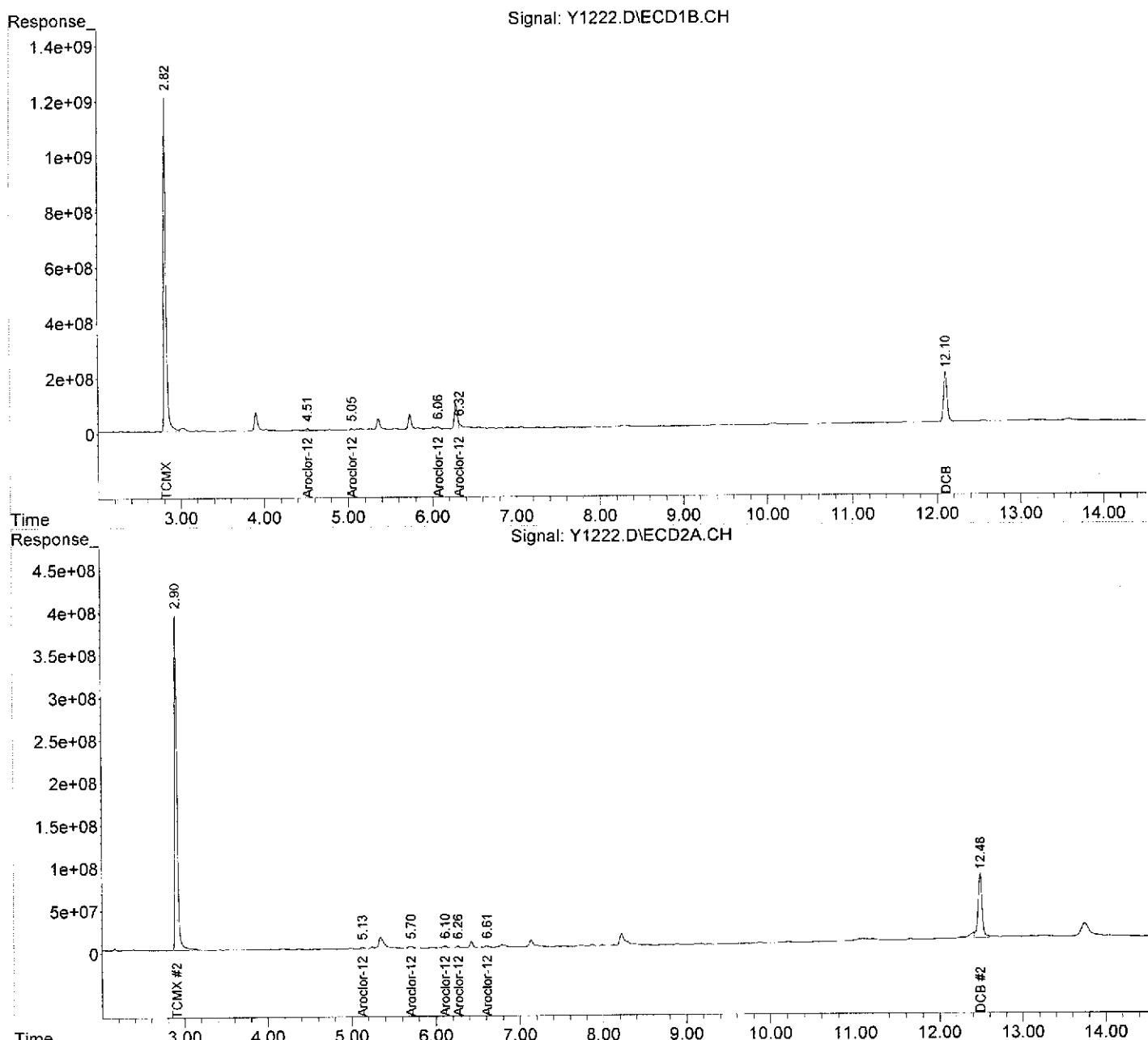
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24021.8E6	7957.9E6	246.503	298.577
Spiked Amount	200.000			Recovery	= 123.25%	149.29%
2) S DCB	12.10	12.48	5319.5E6	2501.7E6	261.609m	288.891m
Spiked Amount	200.000			Recovery	= 130.80%	144.45%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	223.6E6	51101956	61.067	49.173
24) L6 Aroclor-1248 {2}	5.05	5.70	113.6E6	86081170	56.643	56.150m
25) L6 Aroclor-1248 {3}	0.00	6.10	0	81822285	N.D. d	75.389m#
26) L6 Aroclor-1248 {4}	6.06	6.26	313.0E6	51043558	69.179	51.860m#
27) L6 Aroclor-1248 {5}	6.32	6.61	331.9E6	64745317	105.781m	120.802m
Sum Aroclor-1248			982.0E6	334.8E6	292.670	353.373
Average Aroclor-1248					73.167	70.675
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1222.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 4:54  
 Operator : YG  
 Sample : U-45\_(2.0-,08677-011,S,5.56g,81.6,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:00:29 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1223.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 5:11  
 Operator : YG  
 Sample : U-45\_(3.0-,08677-012,S,5.67g,60.1,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:01:19 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24037.8E6	7077.4E6	246.668	265.541
Spiked Amount	200.000			Recovery	= 123.33%	132.77%
2) S DCB	12.10	12.48	4844.2E6	2035.0E6	238.234m	234.995m
Spiked Amount	200.000			Recovery	= 119.12%	117.50%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	72015797	22349699	19.667	21.506
24) L6 Aroclor-1248	{2}	5.05	5.71	41153412	41373325	20.525
25) L6 Aroclor-1248	{3}	5.36	6.11	187.5E6	27815310	75.152
26) L6 Aroclor-1248	{4}	6.07	6.26	106.8E6	21023278	23.606
27) L6 Aroclor-1248	{5}	6.32	6.61	68300143	12359043	21.770m
Sum Aroclor-1248				475.8E6	124.9E6	160.720
Average Aroclor-1248						118.541
						32.144
						23.708
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

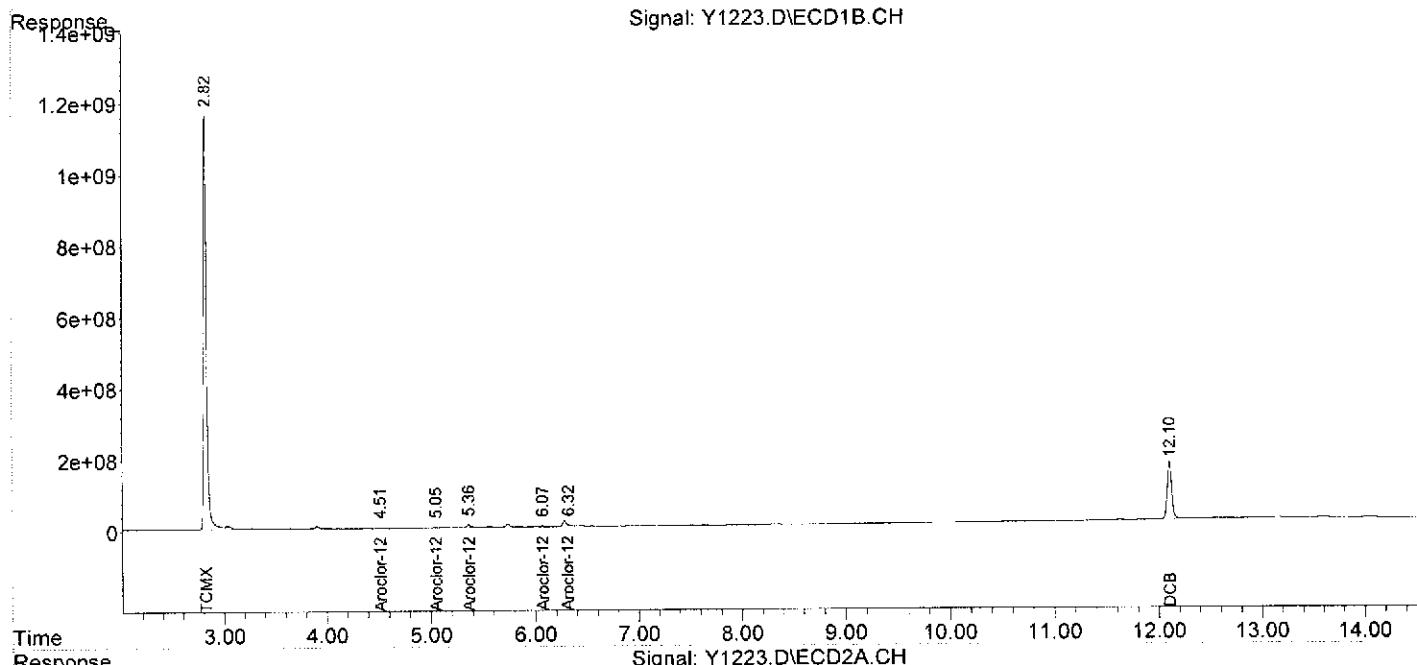
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1223.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 5:11  
Operator : YG  
Sample : U-45\_(3.0-,08677-012,S,5.67g,60.1,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:01:19 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1224.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 5:28  
 Operator : YG  
 Sample : T-45\_(0-1.,08677-013,S,5.59g,80.6,08/29/12,4  
 Misc : 120829-01,08/27/12,08/27/12,1  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:08:04 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

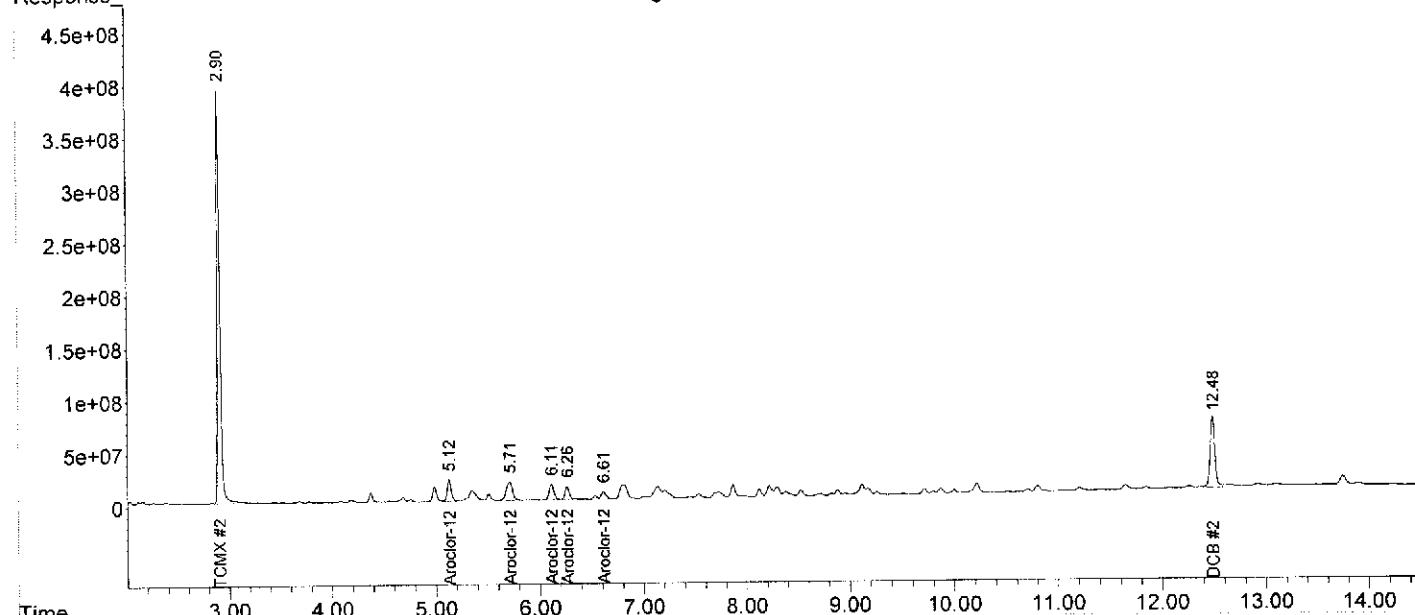
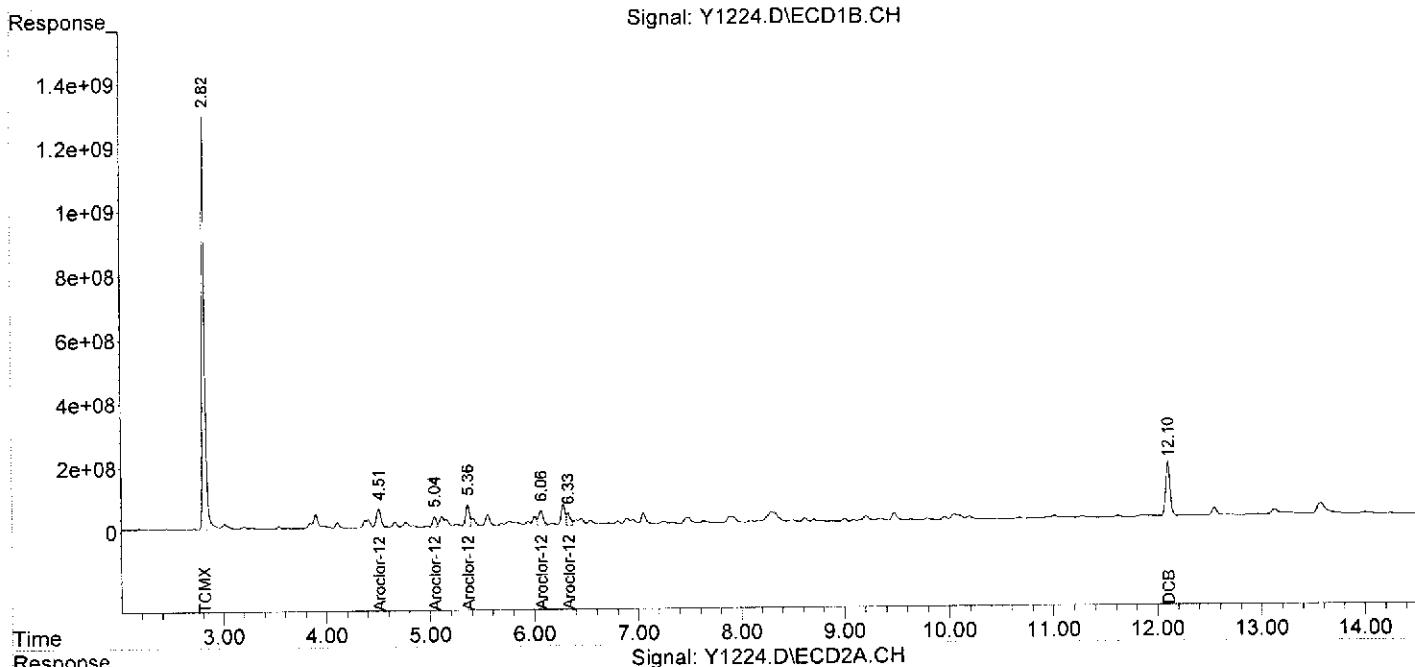
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24093.7E6	7625.7E6	247.241	286.112
Spiked Amount	200.000		Recovery	=	123.62%	143.06%
2) S DCB	12.10	12.48	5136.9E6	2184.6E6	252.629m	252.269m
Spiked Amount	200.000		Recovery	=	126.31%	126.13%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	1867.1E6	541.4E6	509.889	520.936
24) L6 Aroclor-1248 {2}	5.05	5.71	770.8E6	751.2E6	384.437	489.973 #
25) L6 Aroclor-1248 {3}	5.36	6.11	1836.0E6	481.8E6	735.761	443.924 #
26) L6 Aroclor-1248 {4}	6.06	6.26	1494.9E6	357.6E6	330.412	363.349
27) L6 Aroclor-1248 {5}	6.33	6.61	1002.5E6	238.8E6	319.522	445.602 #
Sum Aroclor-1248			6971.3E6	2370.8E6	2280.022	2263.784
Average Aroclor-1248					456.004	452.757
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1224.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 5:28  
Operator : YG  
Sample : T-45\_(0-1.,08677-013,S,5.59g,80.6,08/29/12,4  
Misc : 120829-01,08/27/12,08/27/12,1  
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:08:04 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1231.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 7:46  
 Operator : YG  
 Sample : T-45\_(1.0-,08677-014,S,5.72g,78.6,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:19:37 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

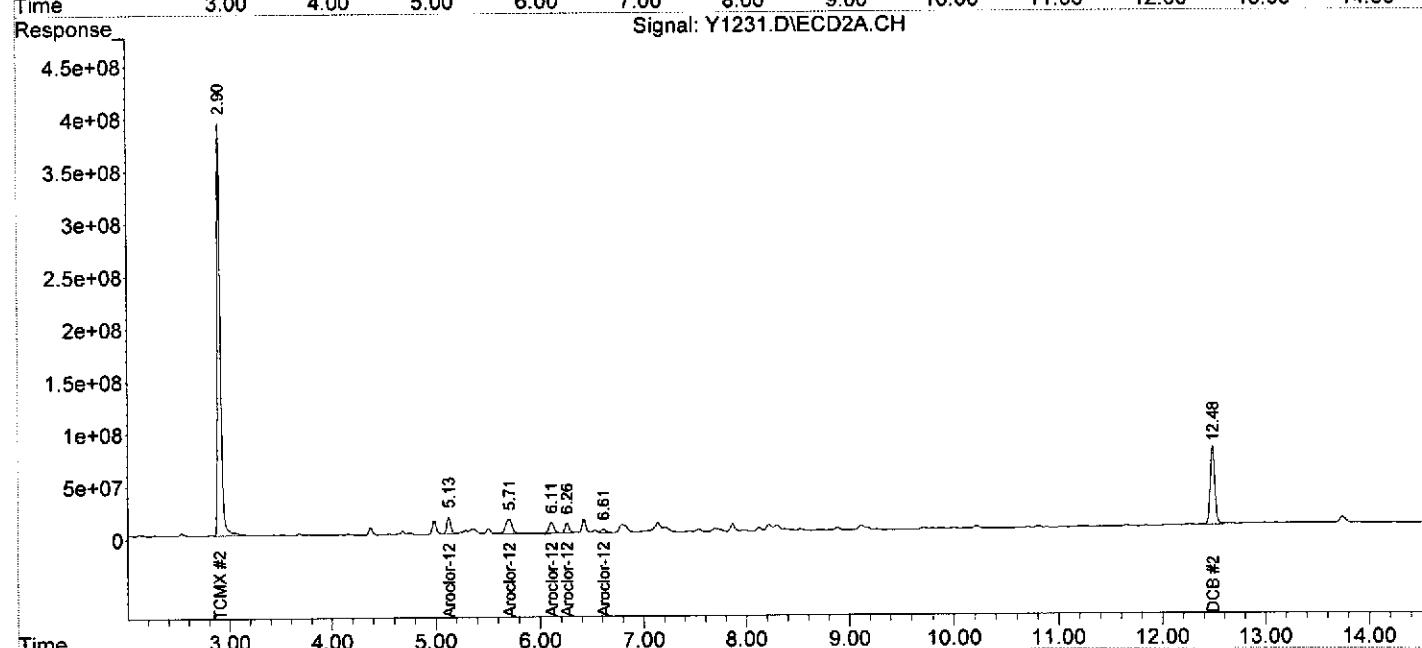
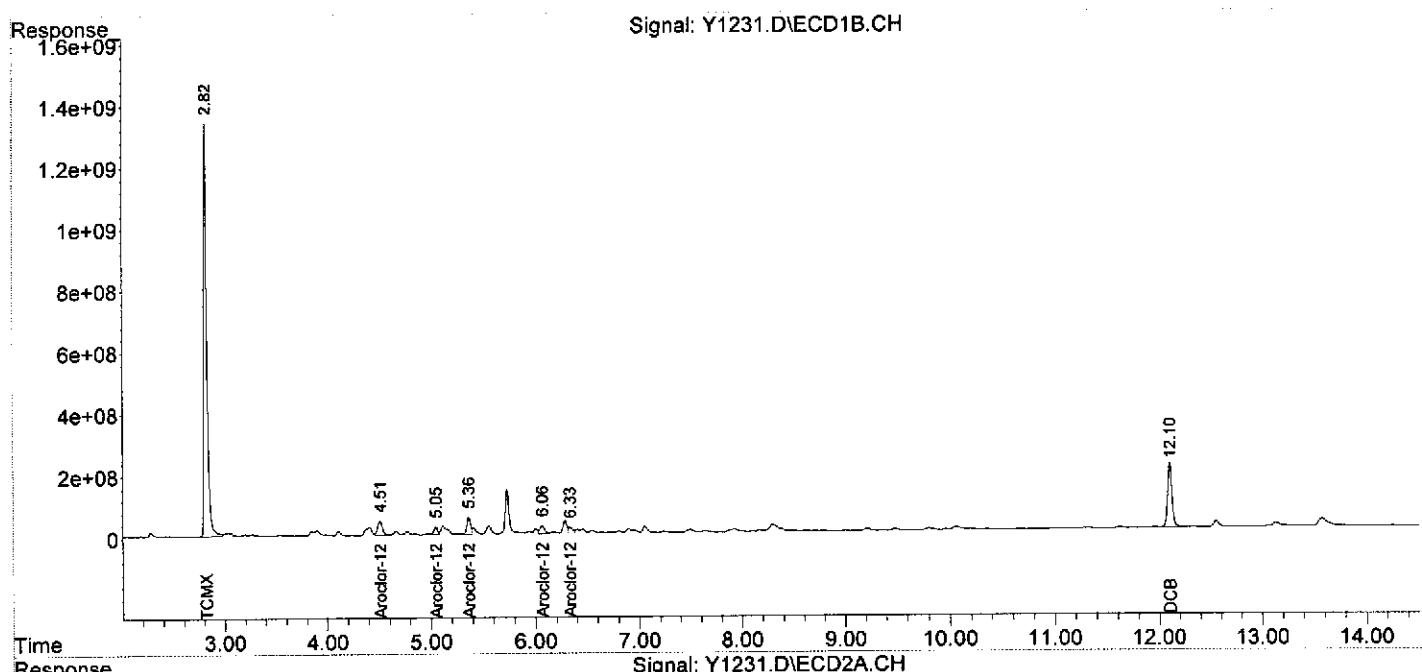
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	27849.4E6	8345.6E6	285.781	313.122
Spiked Amount	200.000			Recovery	= 142.89%	156.56%
2) S DCB	12.10	12.48	6268.0E6	2318.0E6	308.253m	267.678m
Spiked Amount	200.000			Recovery	= 154.13%	133.84%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	1505.5E6	442.2E6	411.143	425.528
24) L6 Aroclor-1248 {2}	5.05	5.71	611.1E6	590.4E6	304.804	385.109 #
25) L6 Aroclor-1248 {3}	5.36	6.11	1453.7E6	350.3E6	582.562	322.726 #
26) L6 Aroclor-1248 {4}	6.06	6.26	826.9E6	269.4E6	182.765	273.725 #
27) L6 Aroclor-1248 {5}	6.33	6.61	583.5E6	112.7E6	185.982	210.311
Sum Aroclor-1248			4980.7E6	1765.0E6	1667.257	1617.398
Average Aroclor-1248					333.451	323.480
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1231.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 7:46  
Operator : YG  
Sample : T-45\_(1.0-,08677-014,S,5.72g,78.6,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:19:37 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1232.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 8:03  
 Operator : YG  
 Sample : T-45\_(2.0-,08677-015,S,5.86g,80.4,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:20:17 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

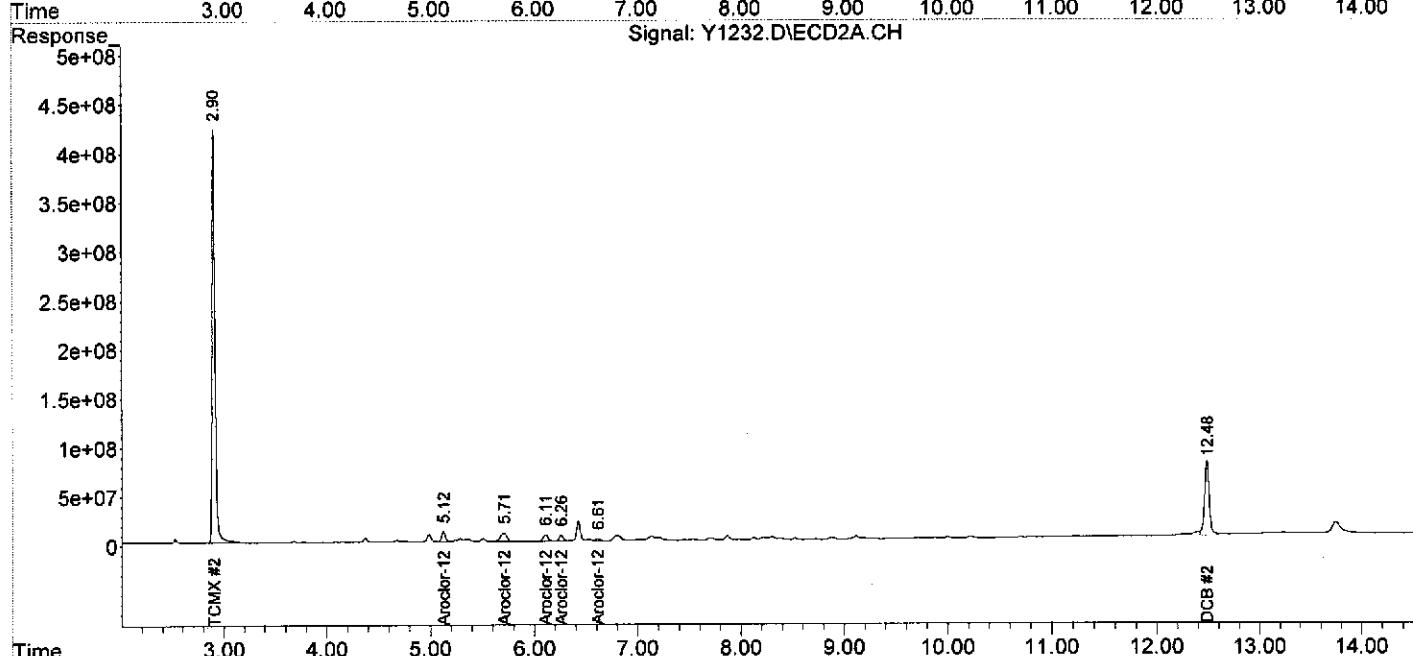
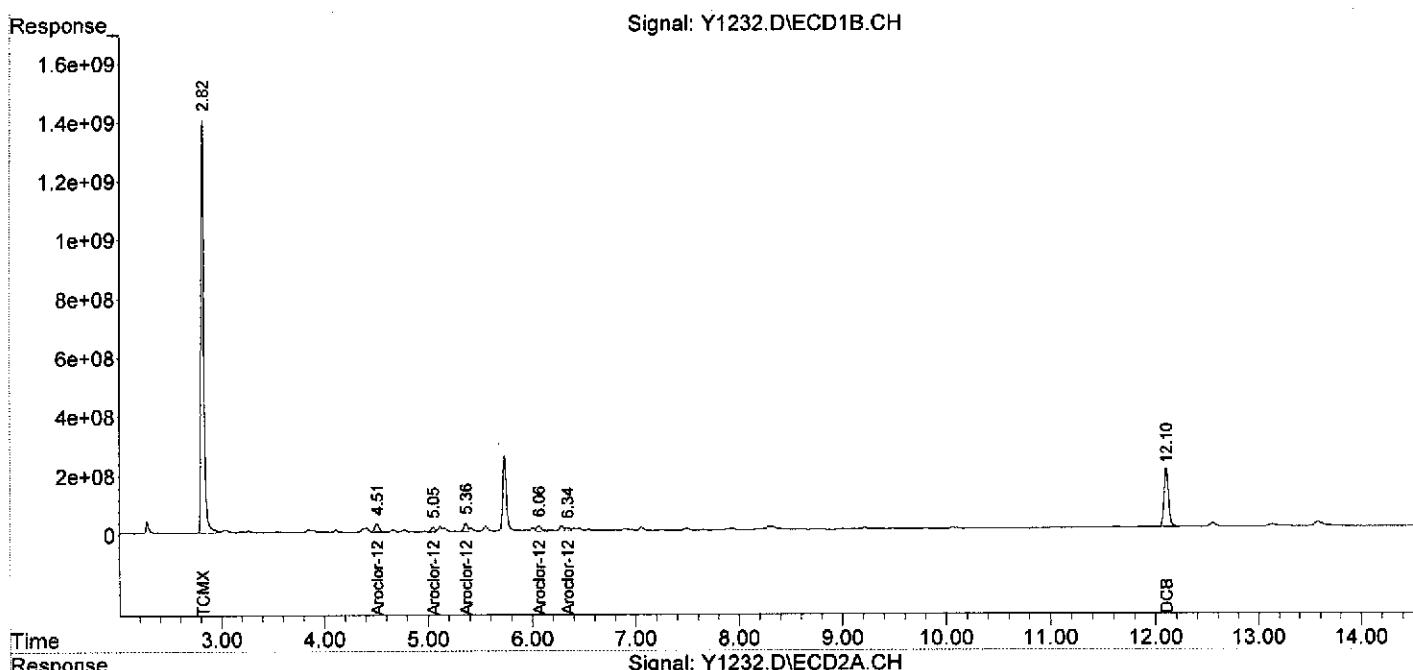
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	27669.3E6	8326.1E6	283.933	312.390
Spiked Amount	200.000			Recovery	= 141.97%	156.19%
2) S DCB	12.10	12.48	5925.6E6	2423.9E6	291.419m	279.901m
Spiked Amount	200.000			Recovery	= 145.71%	139.95%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.12	898.6E6	270.9E6	245.397	260.638
24) L6 Aroclor-1248 {2}	5.05	5.71	375.5E6	366.6E6	187.268	239.109 #
25) L6 Aroclor-1248 {3}	5.36	6.11	747.2E6	220.3E6	299.429	203.023 #
26) L6 Aroclor-1248 {4}	6.06	6.26	553.7E6	167.2E6	122.390	169.841 #
27) L6 Aroclor-1248 {5}	6.34	6.61	363.3E6	70136404	115.810	130.861
Sum Aroclor-1248			2938.3E6	1095.1E6	970.295	1003.471
Average Aroclor-1248					194.059	200.694
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1232.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 8:03  
Operator : YG  
Sample : T-45\_(2.0-,08677-015,S,5.86g,80.4,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:20:17 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1233.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 8:20  
 Operator : YG  
 Sample : T-45\_(3.0-,08677-016,S,5.85g,37.5,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:21:03 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24257.2E6	7093.0E6	248.920	266.124
Spiked Amount	200.000			Recovery	= 124.46%	133.06%
2) S DCB	12.10	12.48	5286.0E6	2089.2E6	259.963	241.252m
Spiked Amount	200.000			Recovery	= 129.98%	120.63%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	72380323	25131175	19.767	24.182
24) L6 Aroclor-1248 {2}	5.05	5.71	33804676	31967323	16.860	20.852
25) L6 Aroclor-1248 {3}	5.37	6.11	46891204	19349742	18.791	17.828
26) L6 Aroclor-1248 {4}	6.06	6.26	37859191	13735933	8.368	13.956 #
27) L6 Aroclor-1248 {5}	6.34	6.61	20059052	5445970	6.394m	10.161 #
Sum Aroclor-1248			211.0E6	95630143	70.179	86.979
Average Aroclor-1248					14.036	17.396
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

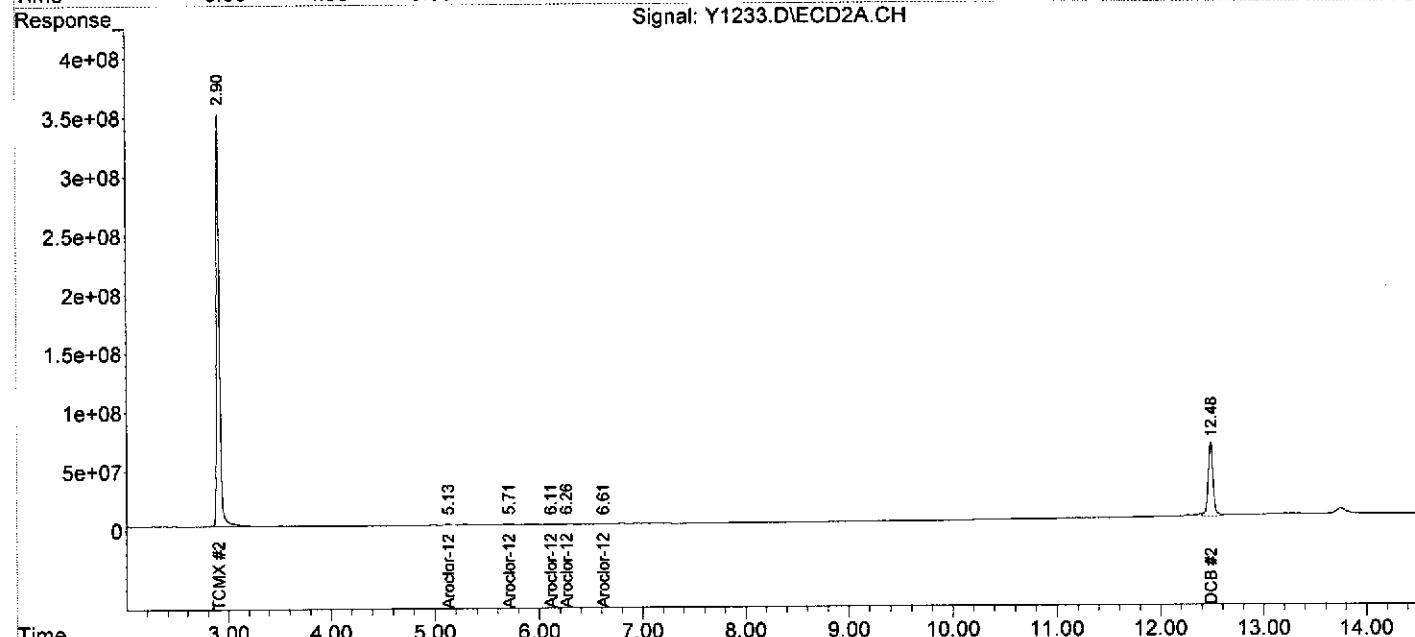
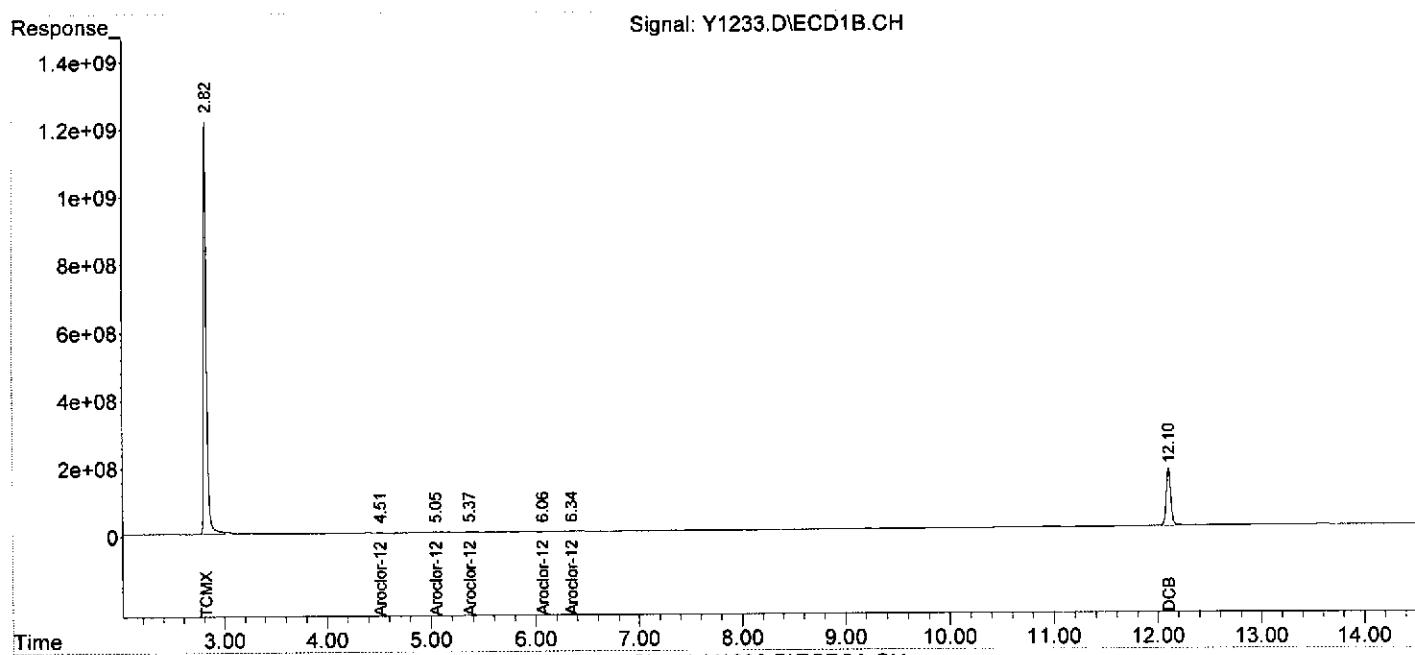
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1233.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 8:20  
Operator : YG  
Sample : T-45\_(3.0-,08677-016,S,5.85g,37.5,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:21:03 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1339.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 2:52  
 Operator : YG  
 Sample : X-43\_(0-1.,08677-017,S,5.33g,80.8,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,100  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:25:35 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

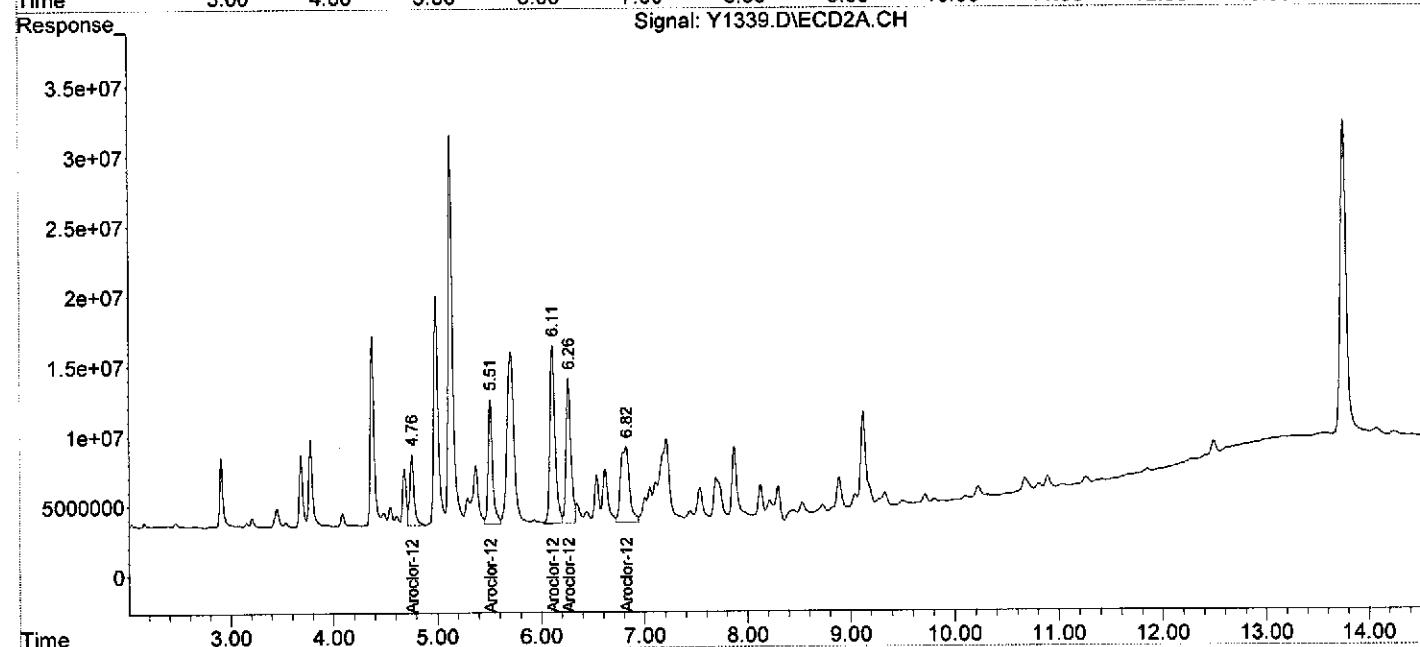
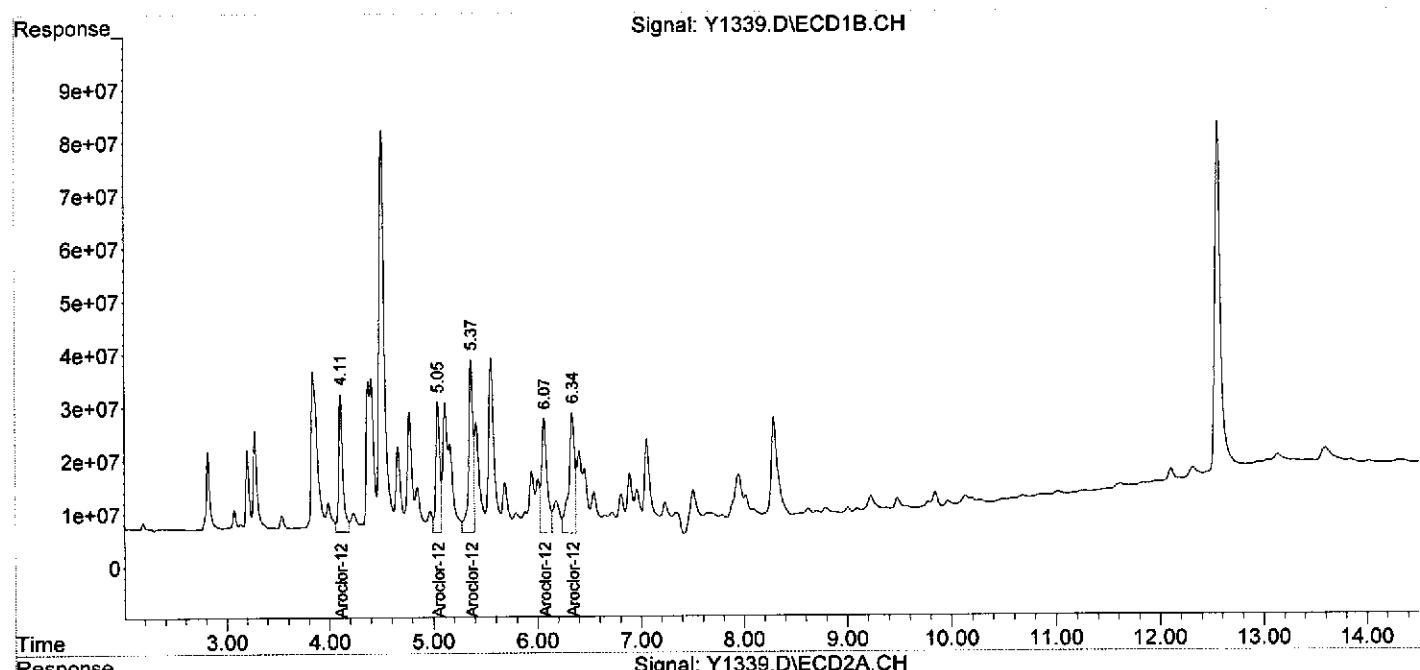
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	711.1E6	143.4E6	406.095	440.066
19) L5 Aroclor-1242	{2}	5.05	5.51	654.0E6	267.3E6	615.286
20) L5 Aroclor-1242	{3}	5.37	6.11	994.9E6	450.1E6	693.265
21) L5 Aroclor-1242	{4}	6.07	6.26	804.9E6	341.8E6	330.305
22) L5 Aroclor-1242	{5}	6.34	6.82	910.8E6	323.6E6	421.681
Sum Aroclor-1242			4075.7E6	1526.3E6	2466.632	2479.616
Average Aroclor-1242					493.326	495.923
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1339.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 2:52  
Operator : YG  
Sample : X-43\_(0-1.,08677-017,S,5.33g,80.8,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,100  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:25:35 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1235.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 8:54  
 Operator : YG  
 Sample : X-43\_(1.0-,08677-018,S,5.74g,81.0,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:25:52 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

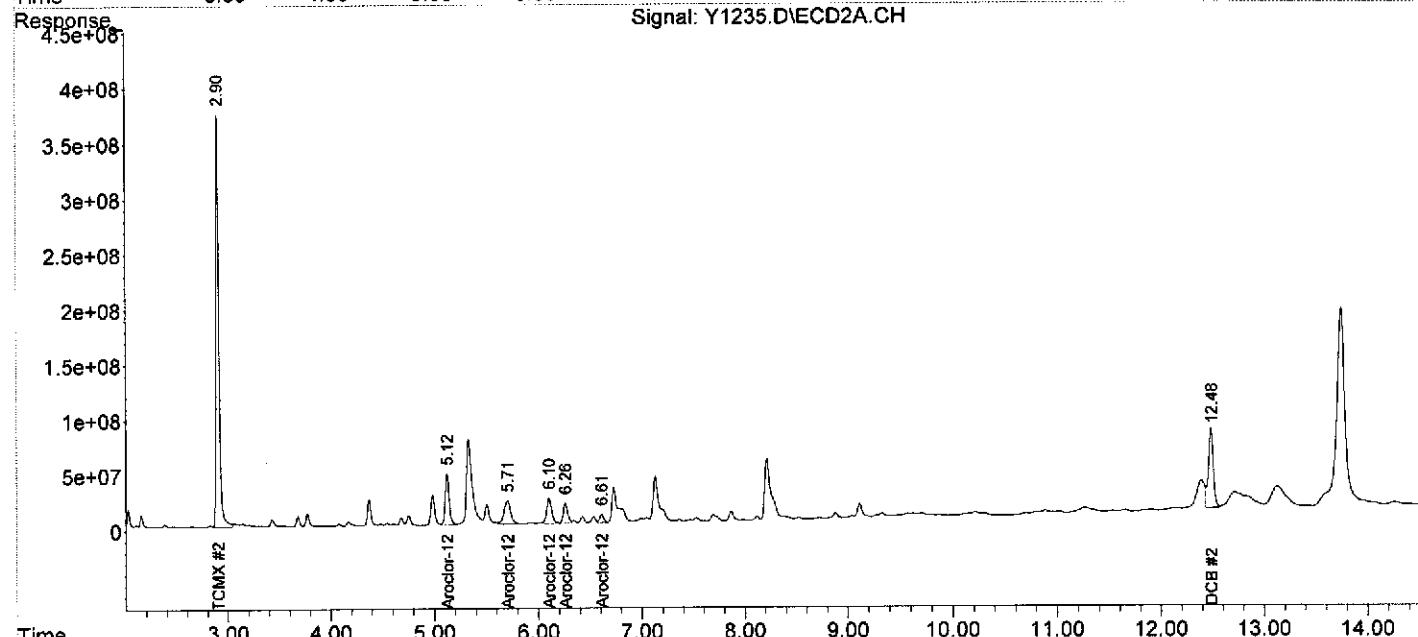
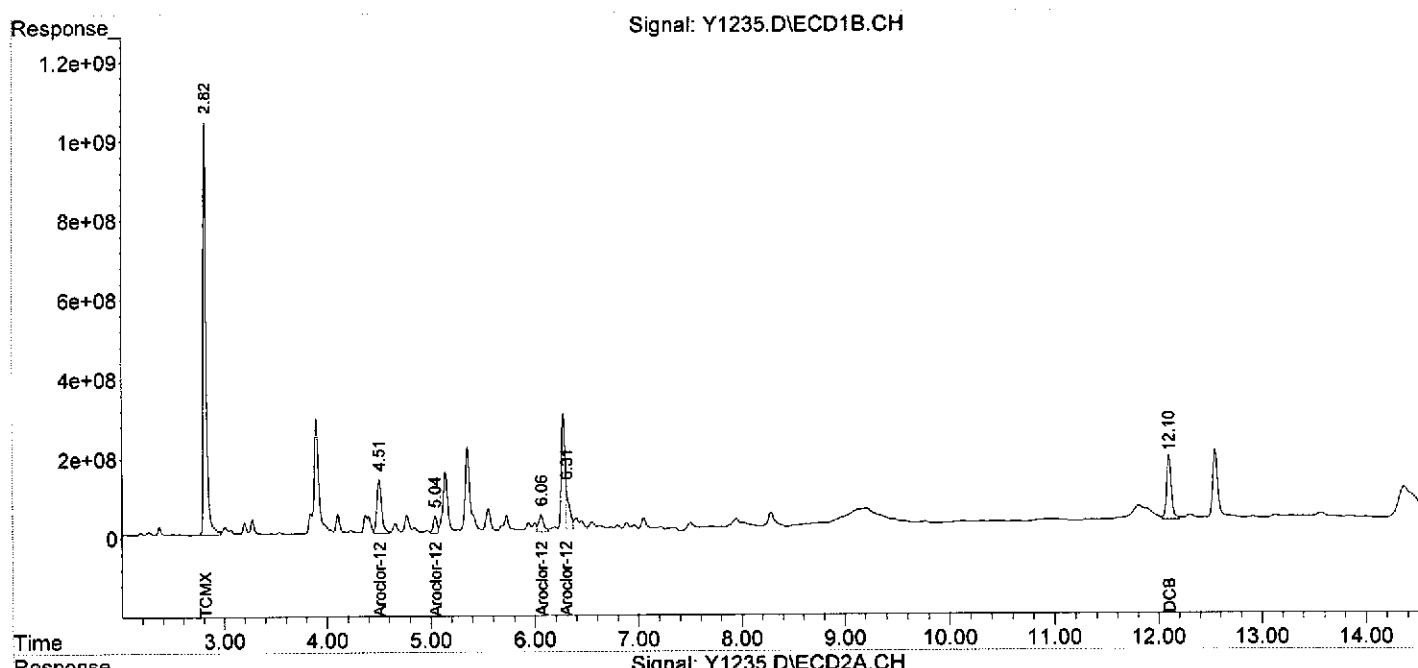
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	21223.8E6	7587.1E6	217.792	284.666 #
Spiked Amount	200.000			Recovery	= 108.90%	142.33%
2) S DCB	12.10	12.48	5172.2E6	2392.0E6	254.363m	276.220m
Spiked Amount	200.000			Recovery	= 127.18%	138.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.12	4435.5E6	1237.0E6	1211.317	1190.258
24) L6 Aroclor-1248 {2}	5.04	5.71	1052.9E6	914.5E6	525.125	596.511
25) L6 Aroclor-1248 {3}	0.00	6.10	0	766.2E6	N.D. d	705.940 #
26) L6 Aroclor-1248 {4}	6.06	6.26	1448.8E6	525.5E6	320.213	533.900 #
27) L6 Aroclor-1248 {5}	6.31	6.61	2070.6E6	204.3E6	659.986m	381.142 #
Sum Aroclor-1248			9007.7E6	3647.4E6	2716.641	3407.751
Average Aroclor-1248					679.160	681.550
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1235.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 8:54  
Operator : YG  
Sample : X-43\_(1.0-,08677-018,S,5.74g,81.0,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:25:52 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1340.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 3:09  
 Operator : YG  
 Sample : X-43\_(2.0-,08677-019,S,5.45g,86.8,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,2  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 06 09:55:03 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

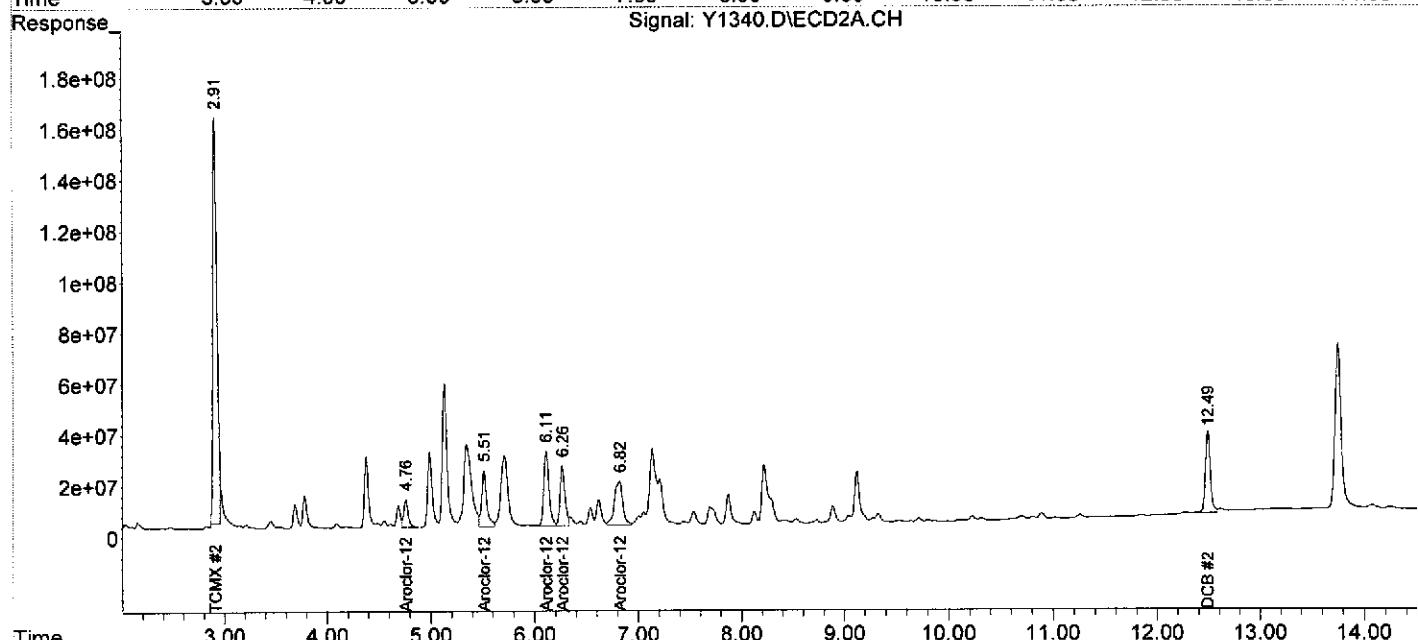
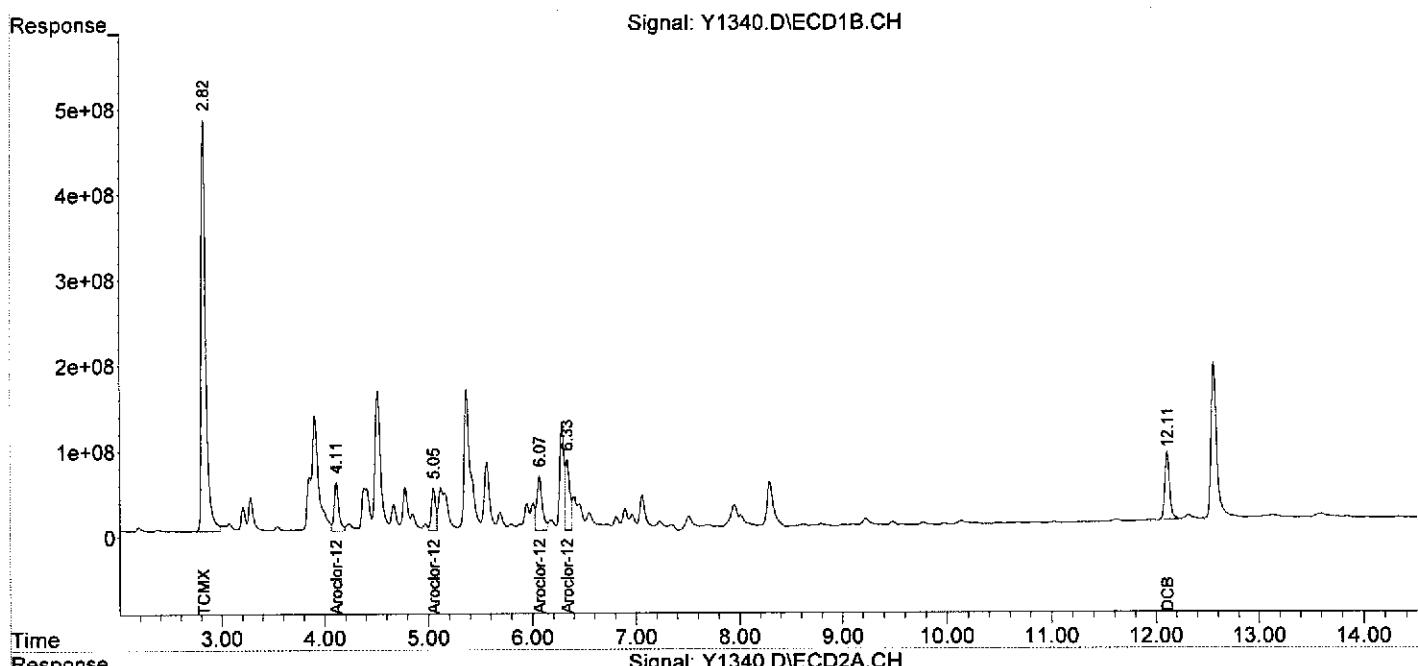
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	14840.4E6	4327.7E6	152.288	162.372m
Spiked Amount	200.000			Recovery	= 76.14%	81.19%
2) S DCB	12.11	12.49	2531.8E6	1074.1E6	124.513m	124.028m
Spiked Amount	200.000			Recovery	= 62.26%	62.01%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	1770.2E6	322.4E6	1010.897	989.015
19) L5 Aroclor-1242	{2}	5.05	5.51	1372.7E6	748.0E6	1291.550
20) L5 Aroclor-1242	{3}	0.00	6.11	0	1031.4E6	N.D. d 1493.245 #
21) L5 Aroclor-1242	{4}	6.07	6.27	2260.1E6	778.9E6	927.455
22) L5 Aroclor-1242	{5}	6.33	6.82	2441.6E6	980.6E6	1130.434
Sum Aroclor-1242				7844.6E6	3861.2E6	896.986
Average Aroclor-1242					4360.336	6122.228
					1090.084	1224.446
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1340.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 3:09  
Operator : YG  
Sample : X-43\_(2.0-,08677-019,S,5.45g,86.8,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,2  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 06 09:55:03 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1237.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 9:29  
 Operator : YG  
 Sample : X-43\_(3.0-,08677-020,S,5.77g,85.8,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:27:56 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

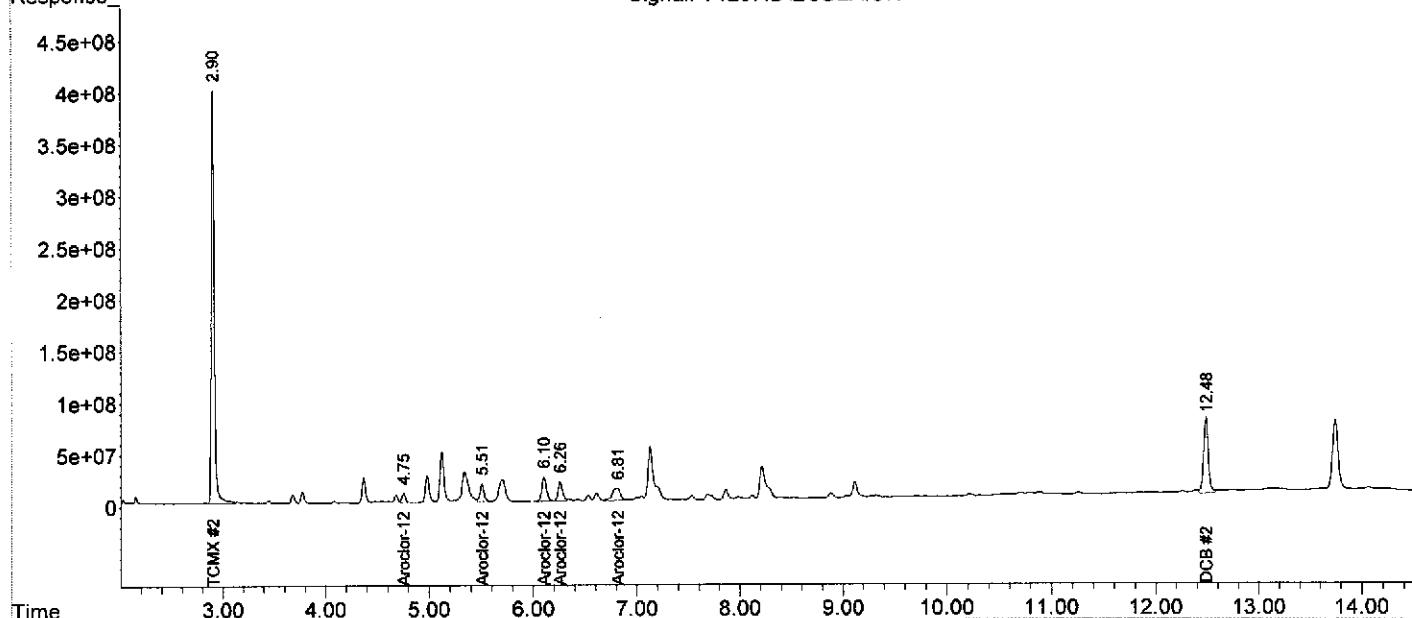
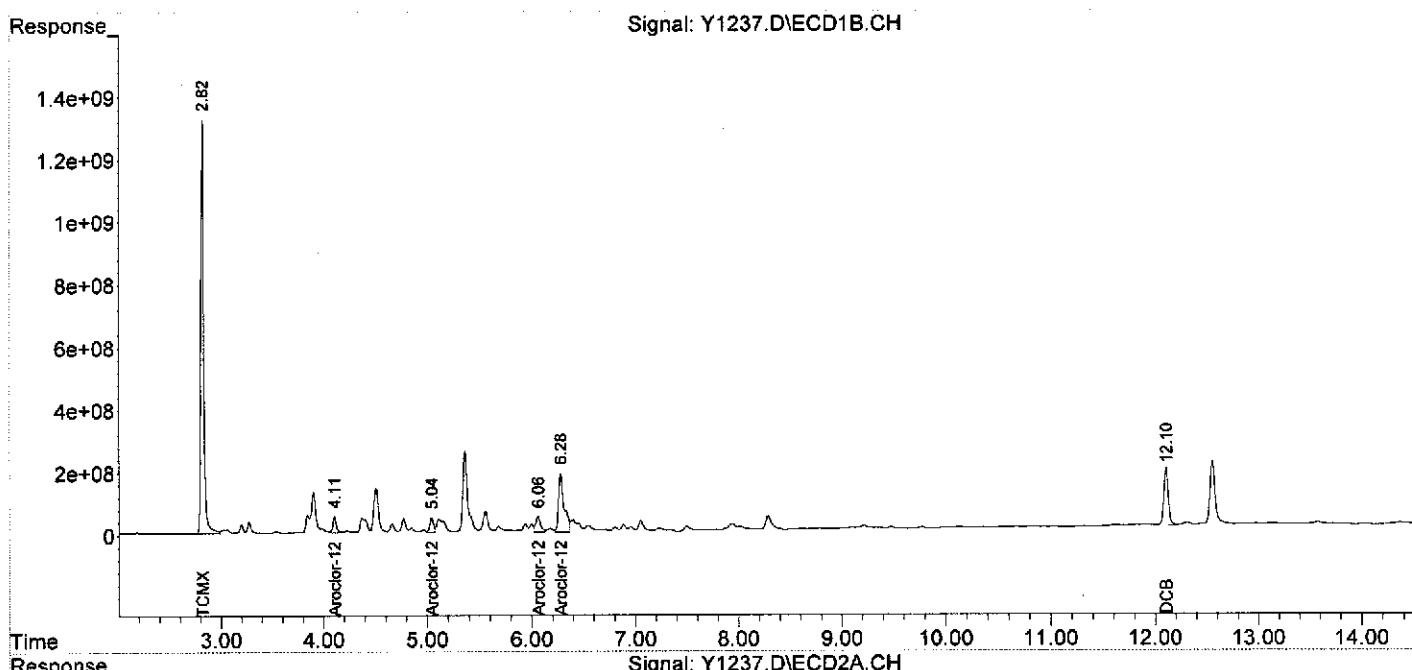
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	25859.9E6	8015.7E6	265.365	300.746
Spiked Amount	200.000			Recovery	= 132.68%	150.37%
2) S DCB	12.10	12.48	5752.2E6	2311.5E6	282.890m	266.918m
Spiked Amount	200.000			Recovery	= 141.44%	133.46%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.75	1289.4E6	216.2E6	736.348	663.419
19) L5 Aroclor-1242 {2}	5.04	5.51	1172.8E6	488.3E6	1103.489	896.294
20) L5 Aroclor-1242 {3}	0.00	6.10	0	733.6E6	N.D. d 1062.036	#
21) L5 Aroclor-1242 {4}	6.06	6.26	1630.2E6	547.4E6	668.998	962.718
22) L5 Aroclor-1242 {5}	6.28	6.81	7102.2E6	645.7E6	3288.155	590.693
Sum Aroclor-1242			11194.7E6	2631.2E6	5796.989	4175.160
Average Aroclor-1242					1449.247	835.032
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1237.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 9:29  
Operator : YG  
Sample : X-43\_(3.0-,08677-020,S,5.77g,85.8,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:27:56 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-04-12\  
 Data File : Y1358.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 04 Sep 2012 18:07  
 Operator : YG  
 Sample : Y-43\_(0-1.,08677-021,S,5.17g,85.0,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,100  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 05 10:54:43 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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## System Monitoring Compounds

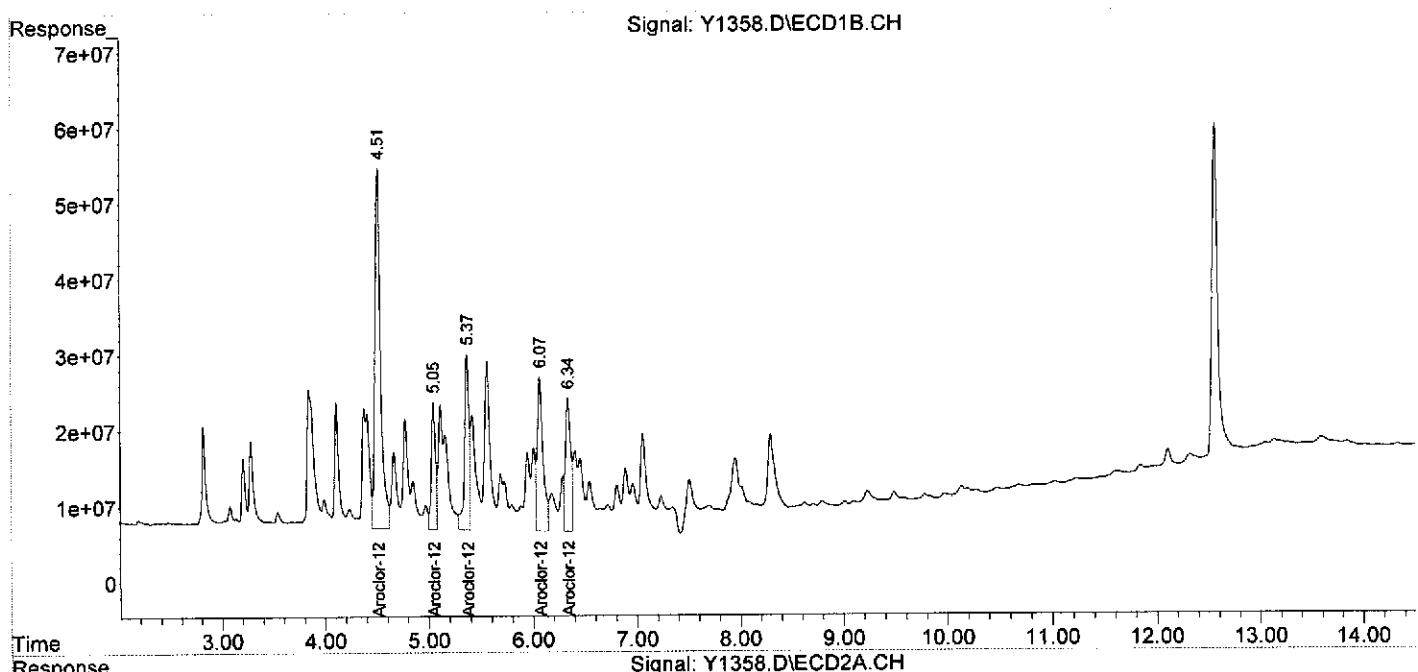
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1786.4E6	465.6E6	487.865	447.995
24) L6 Aroclor-1248 {2}	5.05	5.71	459.4E6	354.4E6	229.135	231.187
25) L6 Aroclor-1248 {3}	5.37	6.11	713.2E6	275.1E6	285.825	253.430
26) L6 Aroclor-1248 {4}	6.07	6.26	774.5E6	197.8E6	171.192	201.015
27) L6 Aroclor-1248 {5}	6.34	6.62	638.1E6	107.6E6	203.397	200.734
Sum Aroclor-1248			4371.8E6	1400.5E6	1377.414	1334.362
Average Aroclor-1248					275.483	266.872
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\09-04-12\  
Data File : Y1358.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 04 Sep 2012 18:07  
Operator : YG  
Sample : Y-43\_(0-1.,08677-021,S,5.17g,85.0,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,100  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 05 10:54:43 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\09-04-12\  
 Data File : Y1359.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 04 Sep 2012 18:24  
 Operator : YG  
 Sample : Y-43\_(1.0-,08677-022,S,5.35g,83.2,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,100  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 05 10:57:55 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

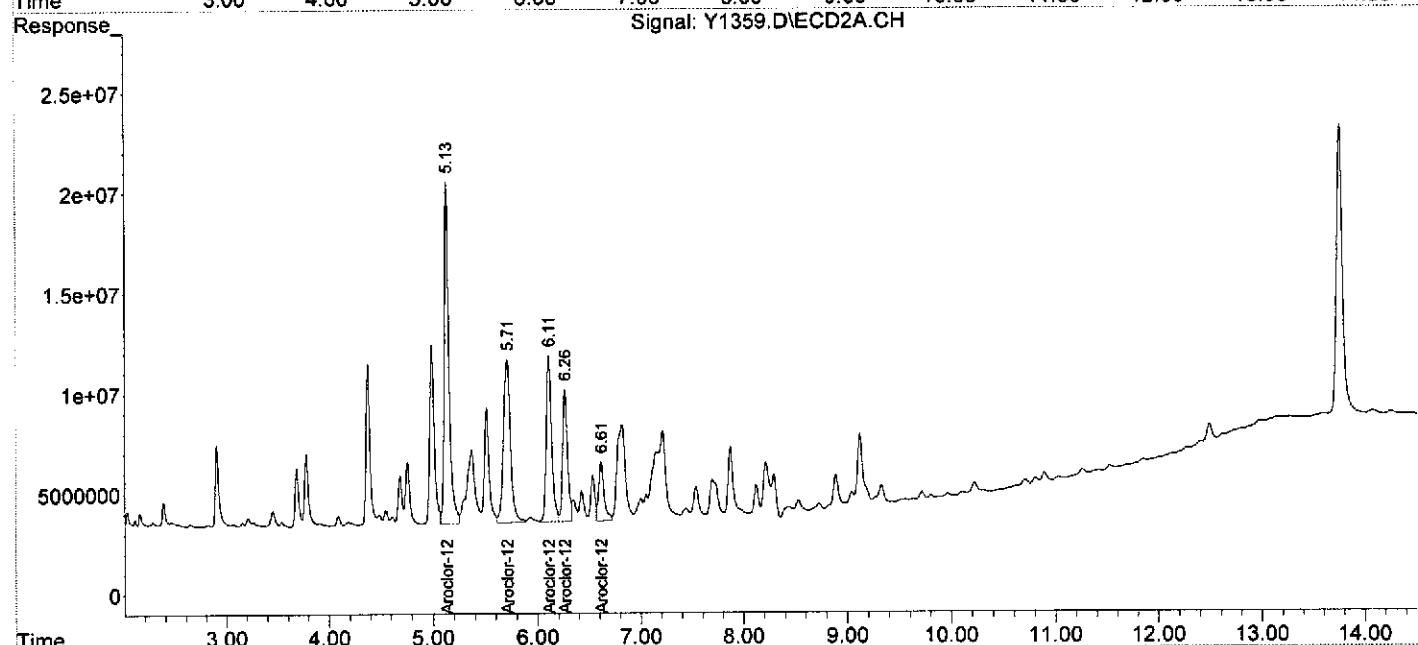
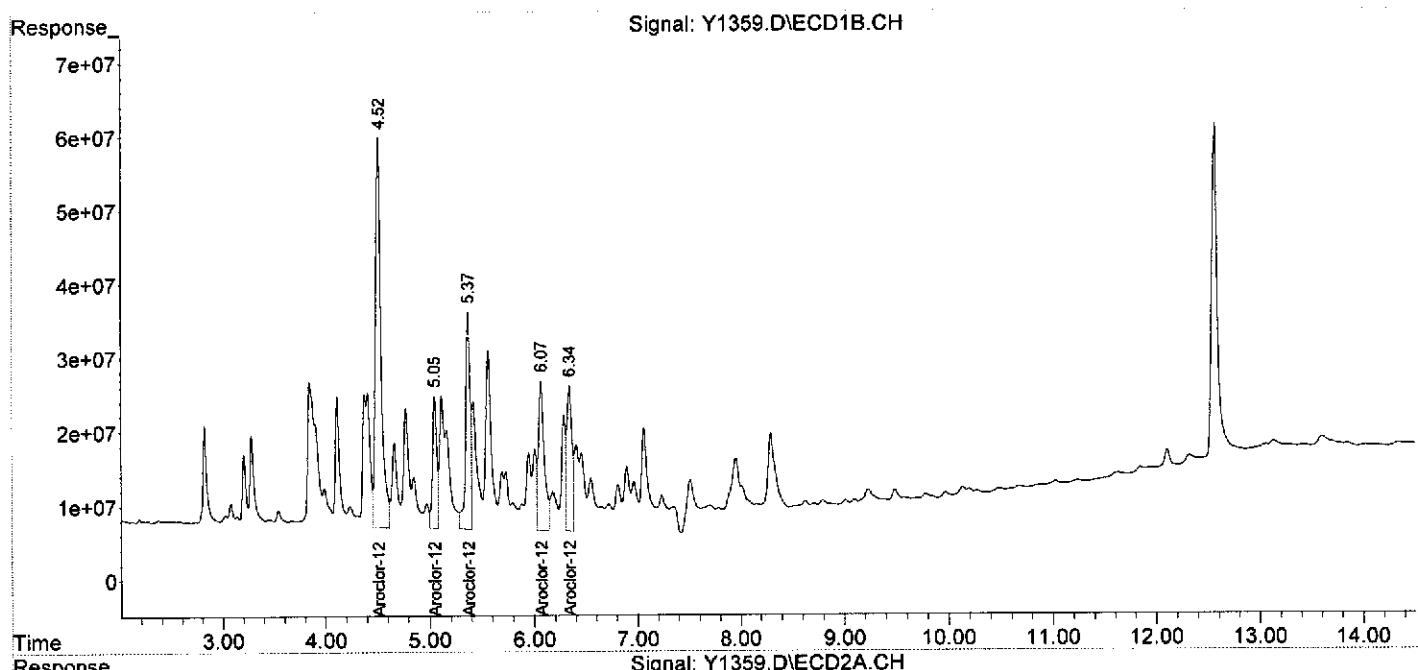
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	2010.2E6	526.4E6	548.991	506.543
24) L6 Aroclor-1248 {2}	5.05	5.71	495.3E6	386.6E6	247.008	252.190
25) L6 Aroclor-1248 {3}	5.37	6.11	916.1E6	298.6E6	367.118	275.077 #
26) L6 Aroclor-1248 {4}	6.07	6.26	782.7E6	216.2E6	172.997	219.658 #
27) L6 Aroclor-1248 {5}	6.34	6.62	685.0E6	107.2E6	218.348	200.105
Sum Aroclor-1248			4889.3E6	1535.0E6	1554.463	1453.574
Average Aroclor-1248					310.893	290.715
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\09-04-12\  
Data File : Y1359.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 04 Sep 2012 18:24  
Operator : YG  
Sample : Y-43\_(1.0-,08677-022,S,5.35g,83.2,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,100  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 05 10:57:55 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1343.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 4:01  
 Operator : YG  
 Sample : Y-43\_(2.0-,08677-023,S,5.78g,86.1,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,10  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:28:06 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	2444.6E6	804.9E6	25.085	30.200
Spiked Amount	200.000			Recovery	=	12.54% 15.10%
2) S DCB	12.10	12.49	469.4E6	177.8E6	23.084m	20.526m
Spiked Amount	200.000			Recovery	=	11.54% 10.26%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	724.4E6	140.9E6	413.694	432.386
19) L5 Aroclor-1242 {2}	5.05	5.51	651.7E6	289.6E6	613.191	531.699
20) L5 Aroclor-1242 {3}	0.00	6.11	0	454.6E6	N.D. d	658.174 #
21) L5 Aroclor-1242 {4}	6.07	6.26	1004.7E6	325.5E6	412.302	572.413 #
22) L5 Aroclor-1242 {5}	6.33	6.82	938.9E6	393.7E6	434.699	360.168
Sum Aroclor-1242			3319.8E6	1604.4E6	1873.886	2554.839
Average Aroclor-1242					468.472	510.968
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

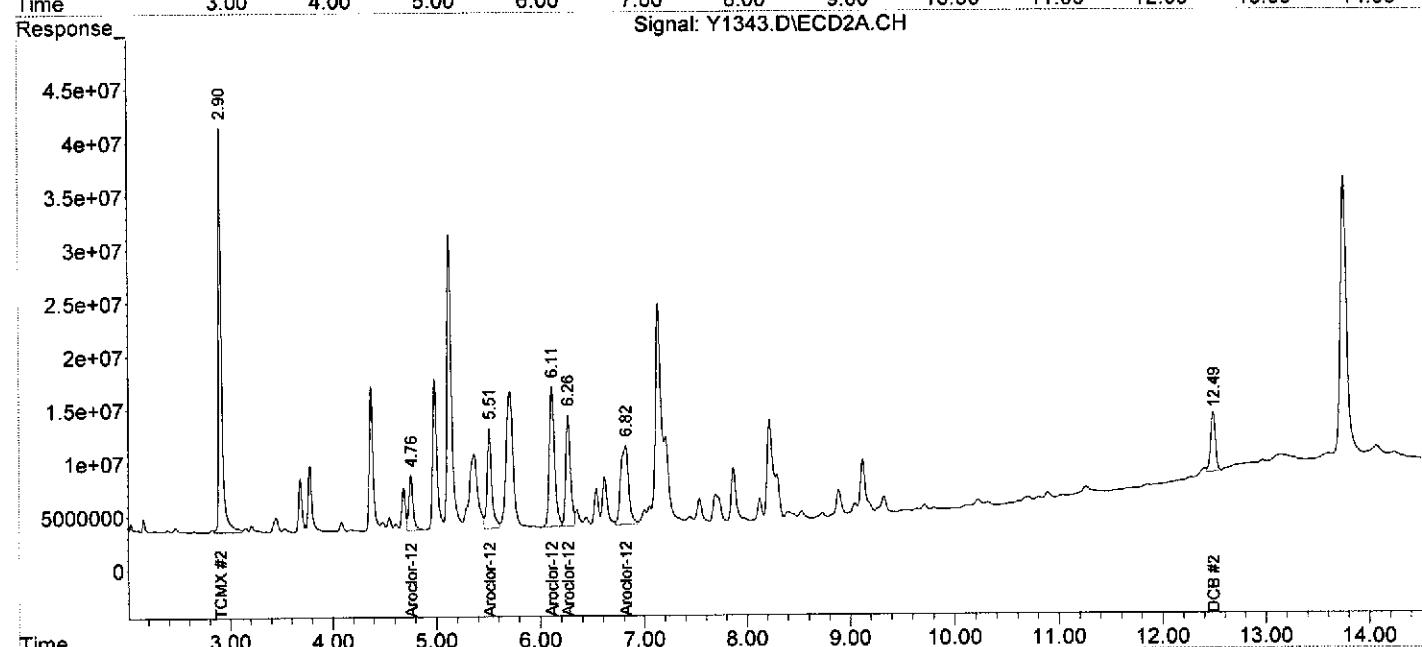
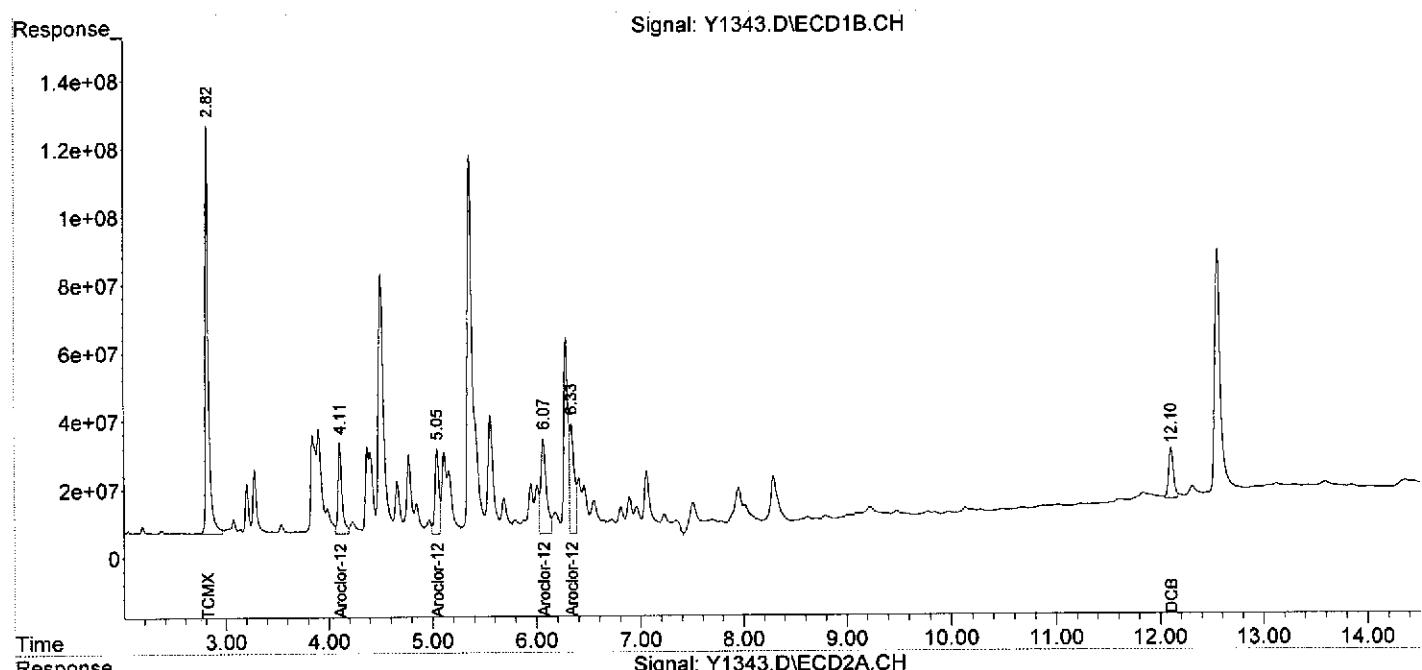
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1343.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 4:01  
Operator : YG  
Sample : Y-43 (2.0-,08677-023,S,5.78g,86.1,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,10  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:28:06 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1241.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 10:37  
 Operator : YG  
 Sample : Y-43\_(3.0-,08677-024,S,5.35g,83.2,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,1  
 ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:30:35 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24454.6E6	7821.6E6	250.945	293.464
Spiked Amount	200.000			Recovery	= 125.47%	146.73%
2) S DCB	12.10	12.49	5272.0E6	2095.3E6	259.273m	241.958m
Spiked Amount	200.000			Recovery	= 129.64%	120.98%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	987.5E6	170.4E6	563.947	522.685
19) L5 Aroclor-1242	{2}	5.05	5.51	932.8E6	376.9E6	877.596
20) L5 Aroclor-1242	{3}	0.00	6.10	0	603.7E6	N.D. d
21) L5 Aroclor-1242	{4}	6.06	6.26	1436.3E6	414.8E6	589.405
22) L5 Aroclor-1242	{5}	6.31	6.81	2113.8E6	540.4E6	978.666m
Sum Aroclor-1242				5470.4E6	2106.2E6	3009.614
Average Aroclor-1242					752.404	494.334 #
Sum Aroclor-1242					752.404	662.496
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

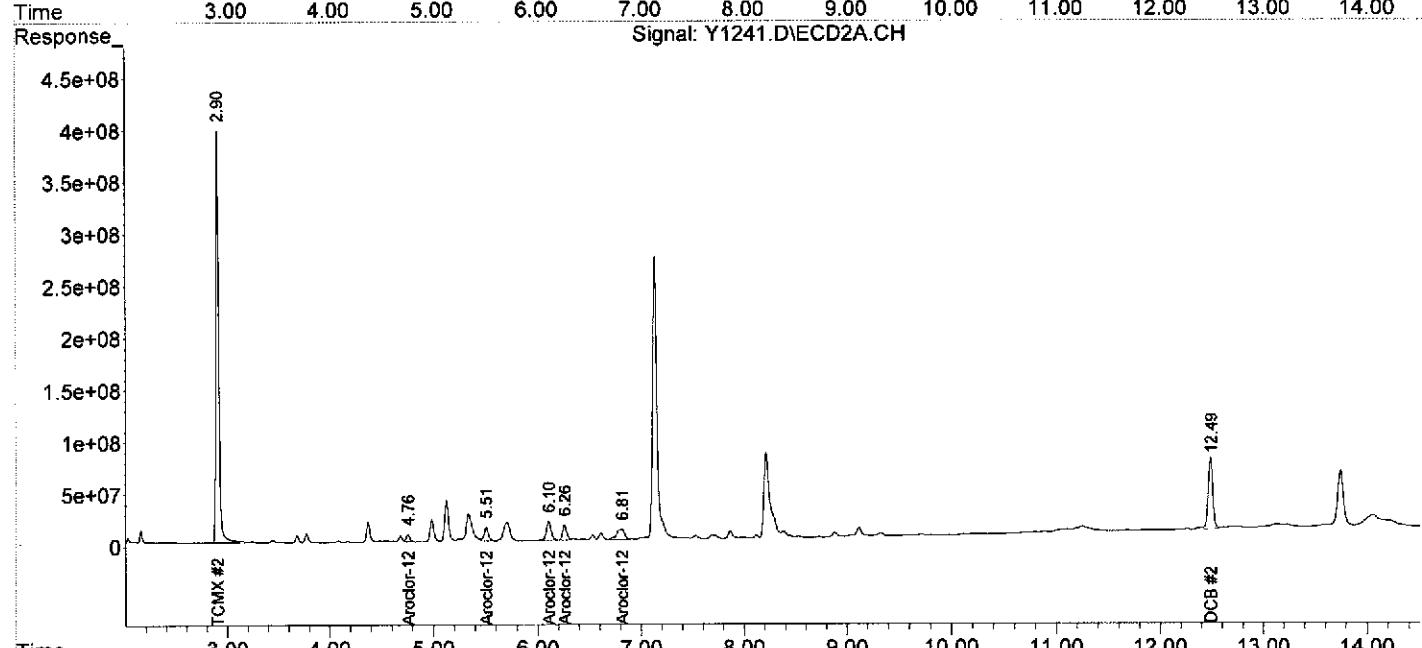
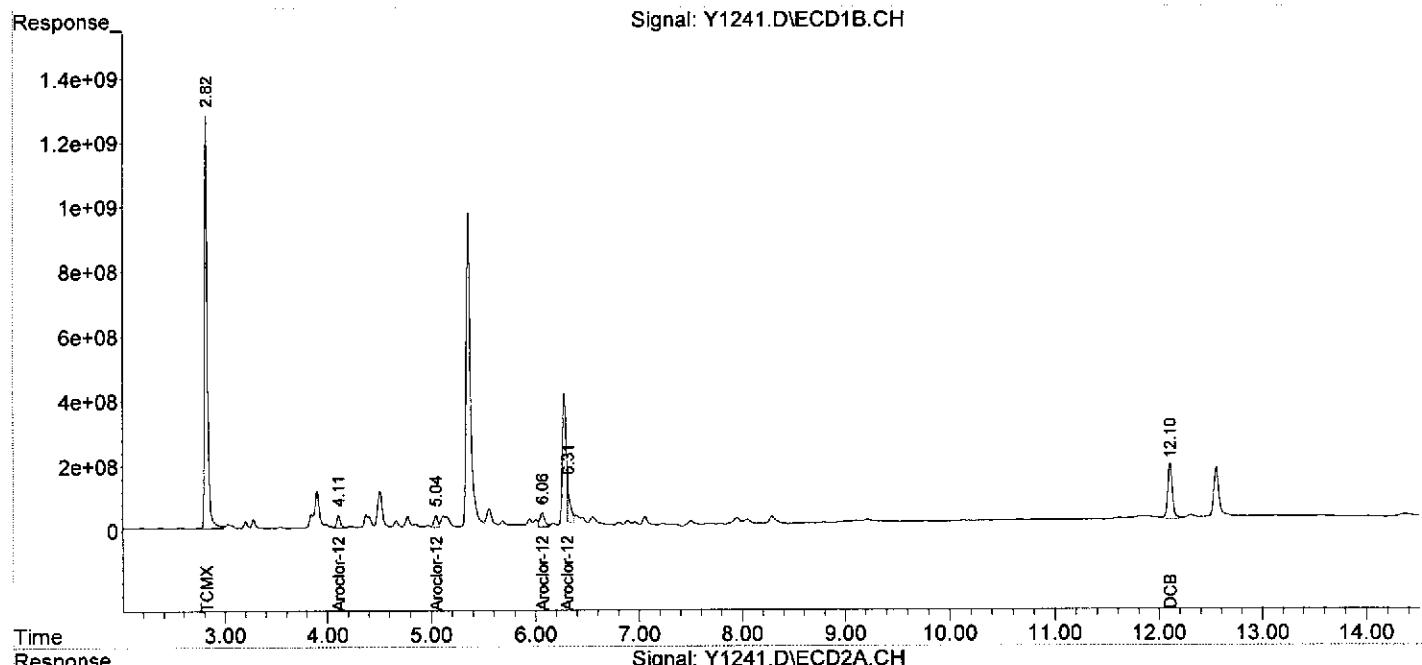
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1241.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 10:37  
Operator : YG  
Sample : Y-43\_(3.0-,08677-024,S,5.35g,83.2,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,1  
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:30:35 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1344.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 4:18  
 Operator : YG  
 Sample : Y-42\_(0-1.,08677-025,S,5.03g,73.8,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,100  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:29:28 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	358.7E6	70655762	204.856	216.765
19) L5 Aroclor-1242	{2}	5.05	5.51	417.6E6	142.1E6	392.872
20) L5 Aroclor-1242	{3}	5.37	6.11	669.4E6	265.9E6	466.463
21) L5 Aroclor-1242	{4}	6.07	6.26	928.8E6	199.2E6	381.154
22) L5 Aroclor-1242	{5}	6.34	6.80	661.8E6	431.4E6	306.400
Sum Aroclor-1242			3036.3E6	1109.3E6	1751.745	1607.580
Average Aroclor-1242					350.349	321.516
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.87	581.2E6	191.3E6	97.372m	265.095 #
34) L8 Aroclor-1260	{2}	9.01	8.12	207.1E6	126.5E6	90.036m
35) L8 Aroclor-1260	{3}	9.48	9.71	505.4E6	90158301	121.328 #
36) L8 Aroclor-1260	{4}	9.97	10.22	247.5E6	208.2E6	80.093m
37) L8 Aroclor-1260	{5}	11.02	10.81	153.3E6	108.9E6	104.346m#
Sum Aroclor-1260			1694.6E6	725.0E6	113.158m	108.222m#
Average Aroclor-1260					460.361	78.922m#
					92.072	677.912
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

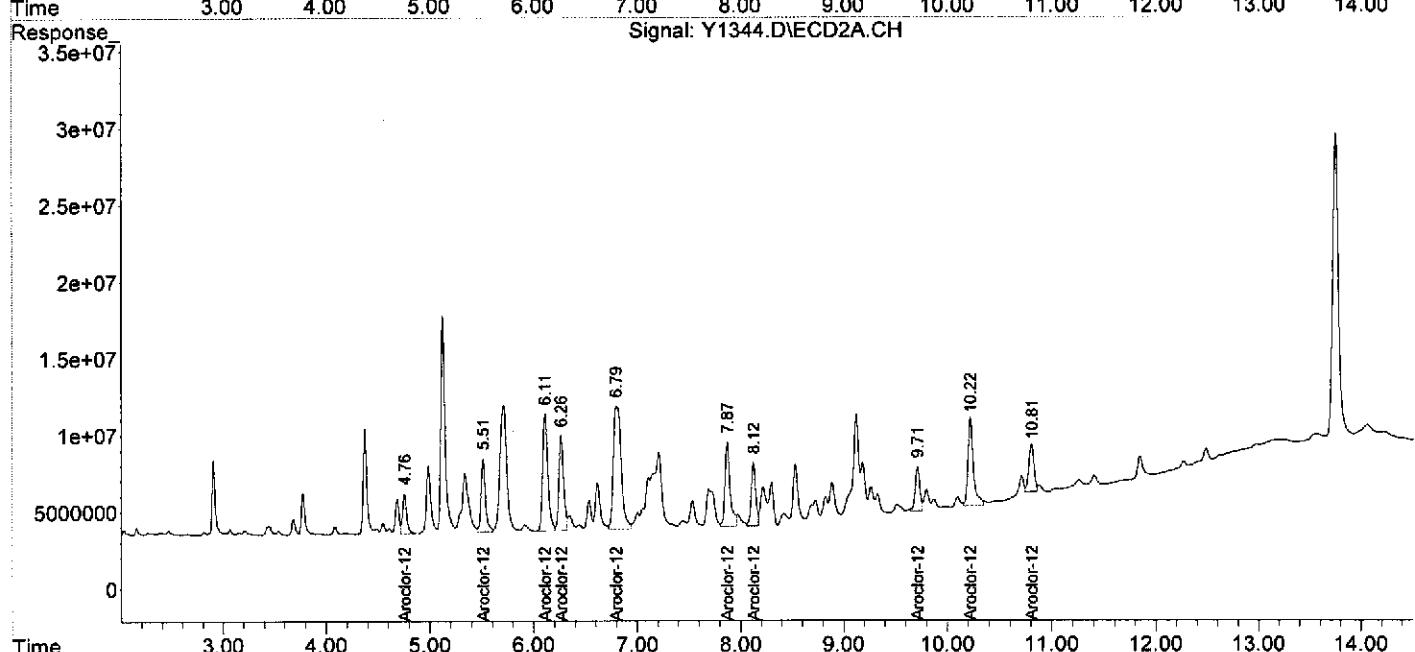
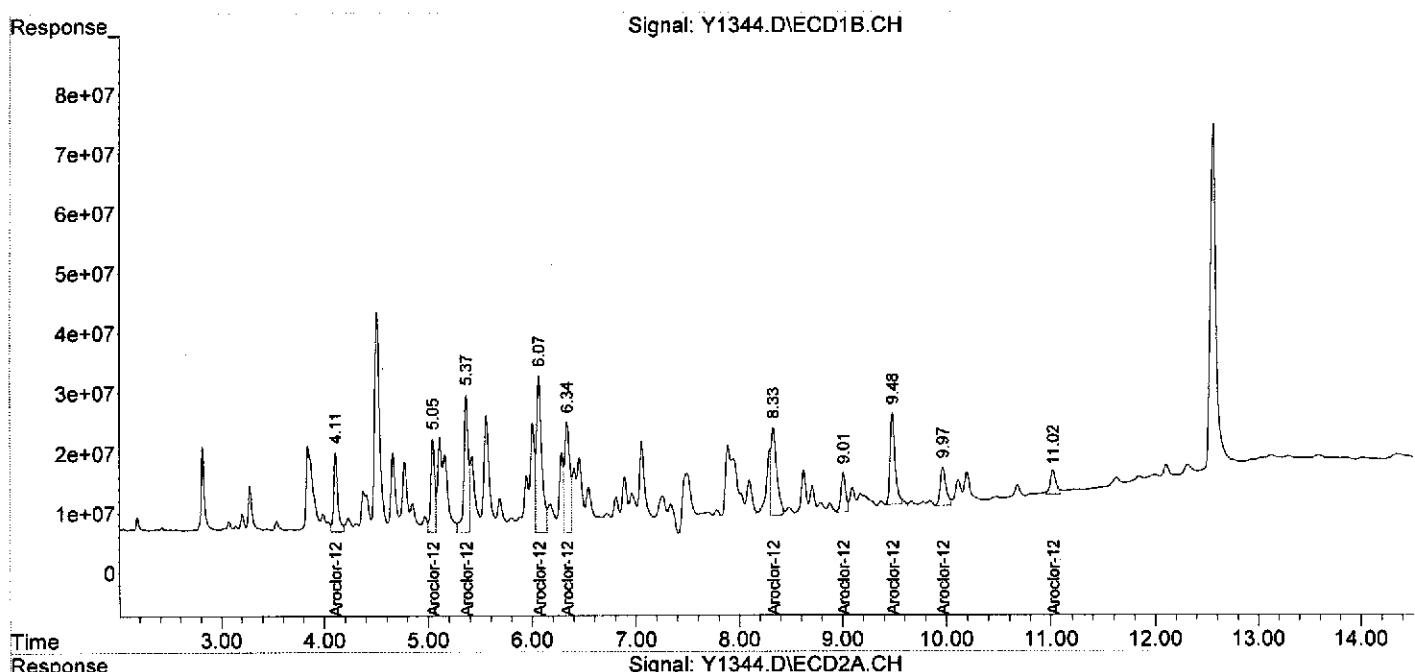
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1344.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 4:18  
Operator : YG  
Sample : Y-42\_(0-1.,08677-025,S,5.03g,73.8,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,100  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:29:28 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1345.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 4:35  
 Operator : YG  
 Sample : Y-42\_(1.0-,08677-026,S,5.67g,75.2,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,100  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:31:28 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

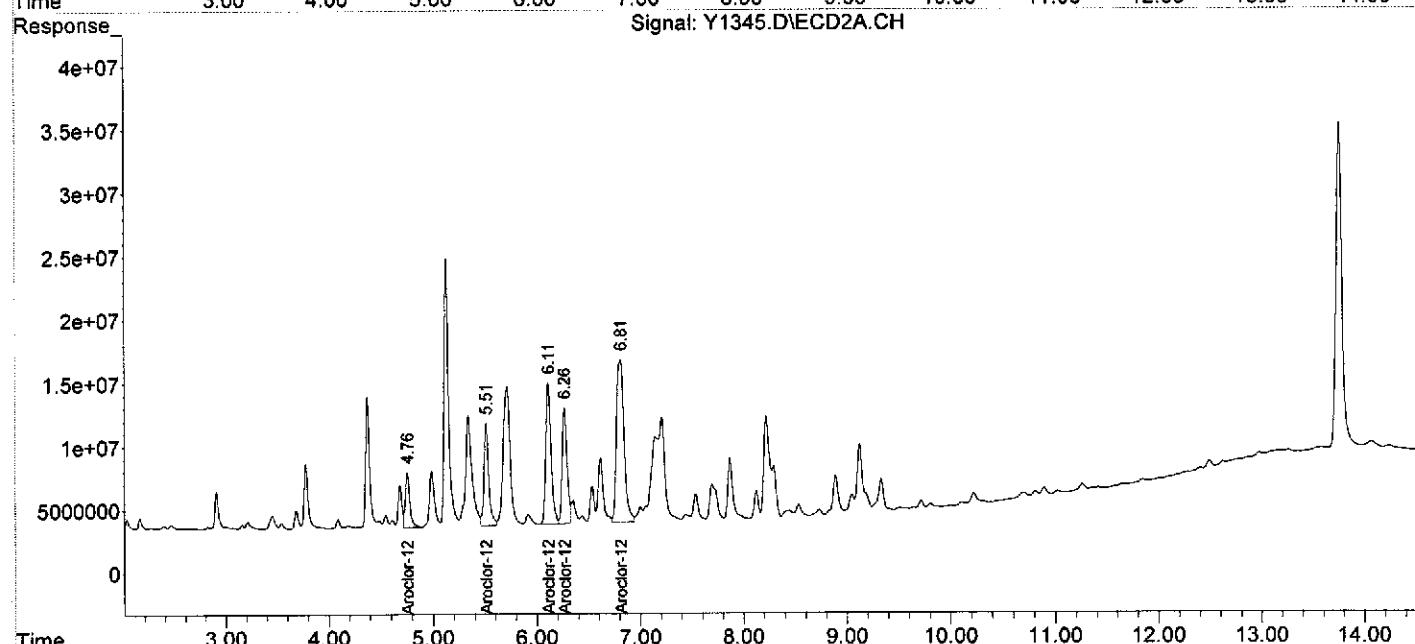
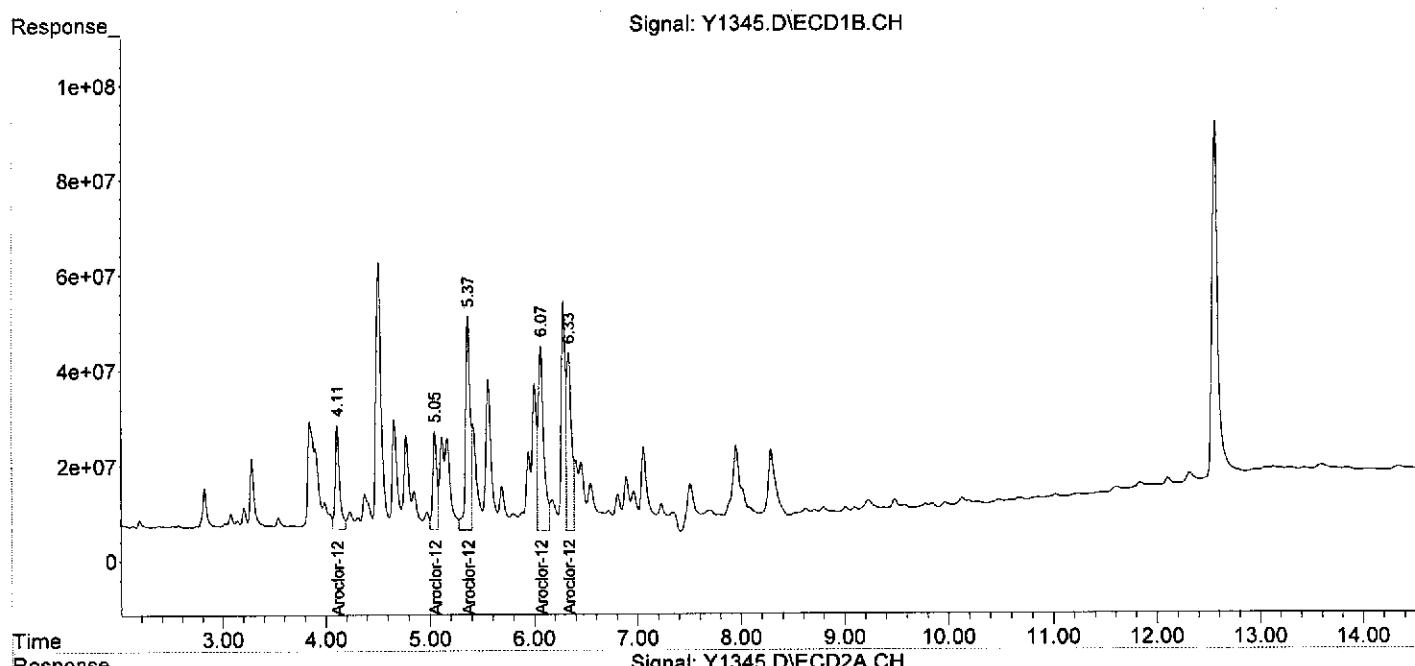
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	636.5E6	125.9E6	363.480	386.376
19) L5 Aroclor-1242	{2}	5.05	5.51	567.9E6	254.1E6	534.276
20) L5 Aroclor-1242	{3}	5.37	6.11	1386.5E6	391.0E6	966.125
21) L5 Aroclor-1242	{4}	6.07	6.26	1423.7E6	308.0E6	584.228
22) L5 Aroclor-1242	{5}	6.34	6.81	1268.4E6	653.9E6	587.249
Sum Aroclor-1242			5282.9E6	1733.0E6	3035.358	2558.793
Average Aroclor-1242					607.072	511.759
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1345.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 4:35  
Operator : YG  
Sample : Y-42\_(1.0-,08677-026,S,5.67g,75.2,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,100  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:31:28 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1351.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 6:18  
 Operator : YG  
 Sample : Y-42\_(2.0-,08677-027,S,5.49g,74.2,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,10  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:35:51 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

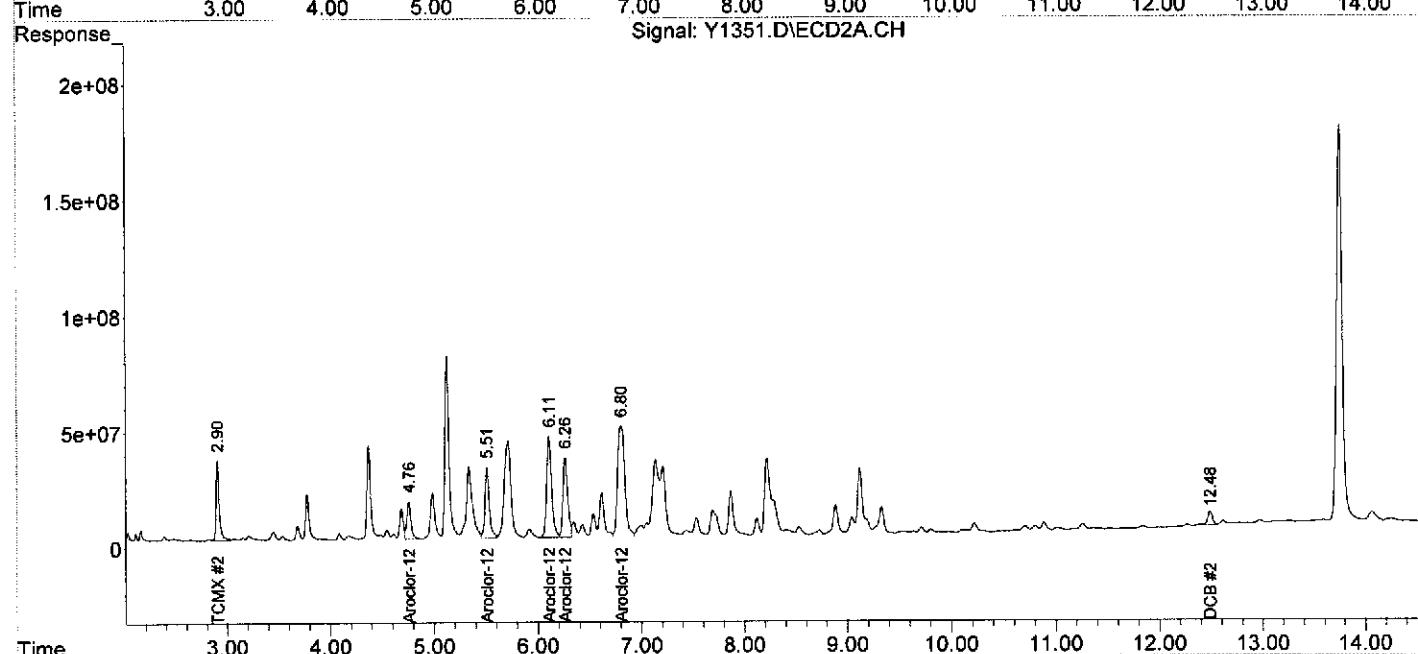
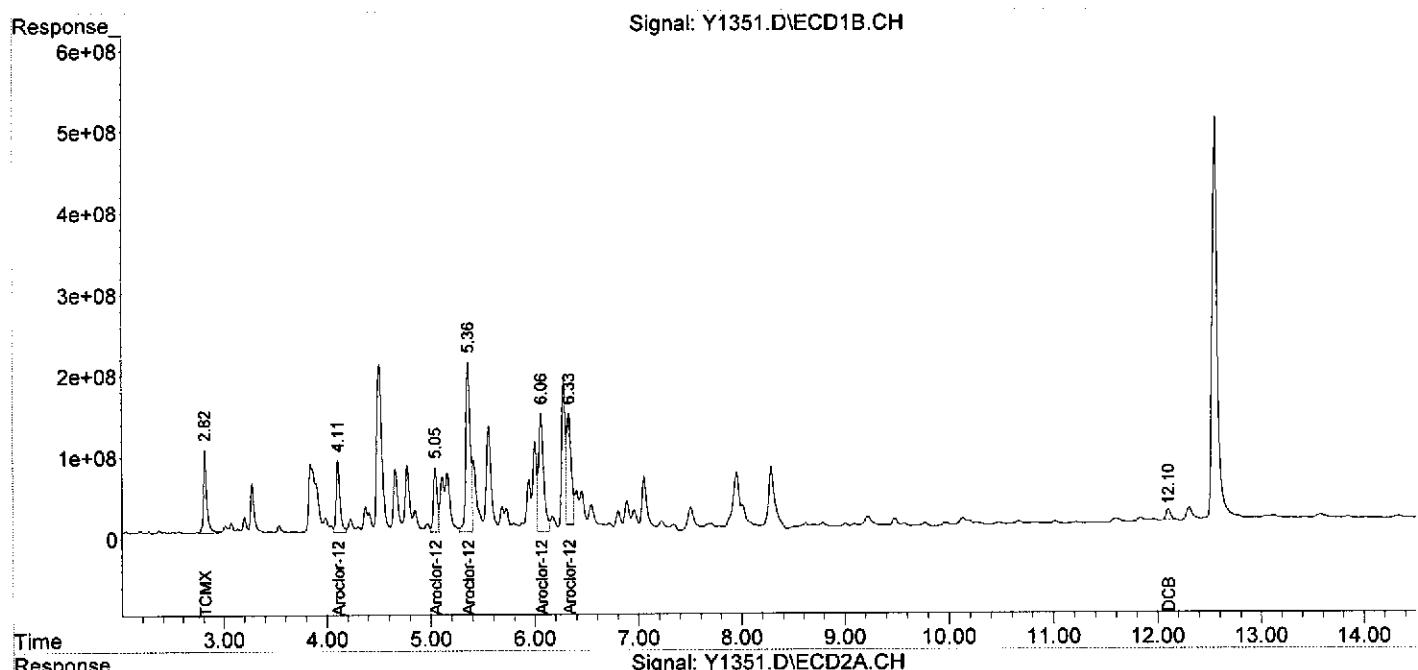
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	2222.8E6	752.9E6	22.810	28.247
Spiked Amount	200.000			Recovery	=	11.40% 14.12%
2) S DCB	12.10	12.48	419.9E6	181.9E6	20.652m	21.006m
Spiked Amount	200.000			Recovery	=	10.33% 10.50%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	2247.0E6	445.6E6	1283.194	1367.024
19) L5 Aroclor-1242 {2}	5.05	5.51	2006.7E6	892.9E6	1888.010	1639.151
20) L5 Aroclor-1242 {3}	5.36	6.11	6345.6E6	1478.5E6	4421.632	2140.499 #
21) L5 Aroclor-1242 {4}	6.06	6.26	4777.7E6	1111.3E6	1960.611	1954.621
22) L5 Aroclor-1242 {5}	6.33	6.80	4136.8E6	2335.9E6	1915.240m	2136.814
Sum Aroclor-1242					19513.7E6	6264.3E6
Average Aroclor-1242					11468.686	9238.109
					2293.737	1847.622
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1351.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 6:18  
Operator : YG  
Sample : Y-42\_(2.0-,08677-027,S,5.49g,74.2,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,10  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:35:51 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
 Data File : Y1346.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 01 Sep 2012 4:52  
 Operator : YG  
 Sample : Y-42\_(3.0-,08677-028,S,5.13g,84.4,08/29/12,4  
 Misc : 120829-05,08/27/12,08/27/12,10  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Sep 04 13:32:18 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	2633.7E6	859.2E6	27.026	32.235
Spiked Amount	200.000			Recovery	= 13.51%	16.12%
2) S DCB	12.11	12.48	501.2E6	202.5E6	24.648m	23.386m
Spiked Amount	200.000			Recovery	= 12.32%	11.69%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.76	557.1E6	108.6E6	318.150	333.293
19) L5 Aroclor-1242	{2}	5.05	5.51	530.2E6	213.8E6	498.852
20) L5 Aroclor-1242	{3}	0.00	6.11	0	350.2E6	N.D. d 507.046 #
21) L5 Aroclor-1242	{4}	6.07	6.26	1278.1E6	274.5E6	524.499
22) L5 Aroclor-1242	{5}	6.33	6.81	1125.6E6	591.5E6	521.113
Sum Aroclor-1242				3491.0E6	1538.6E6	1862.614
Average Aroclor-1242					465.654	451.316
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

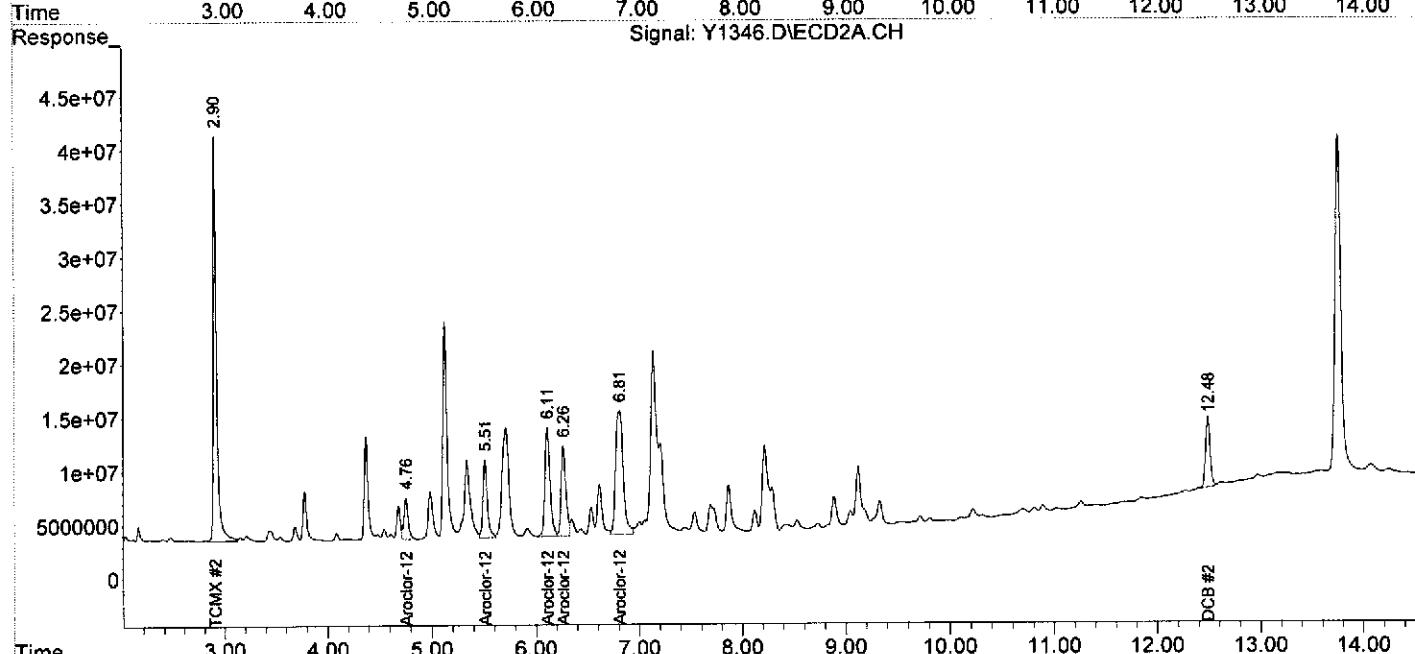
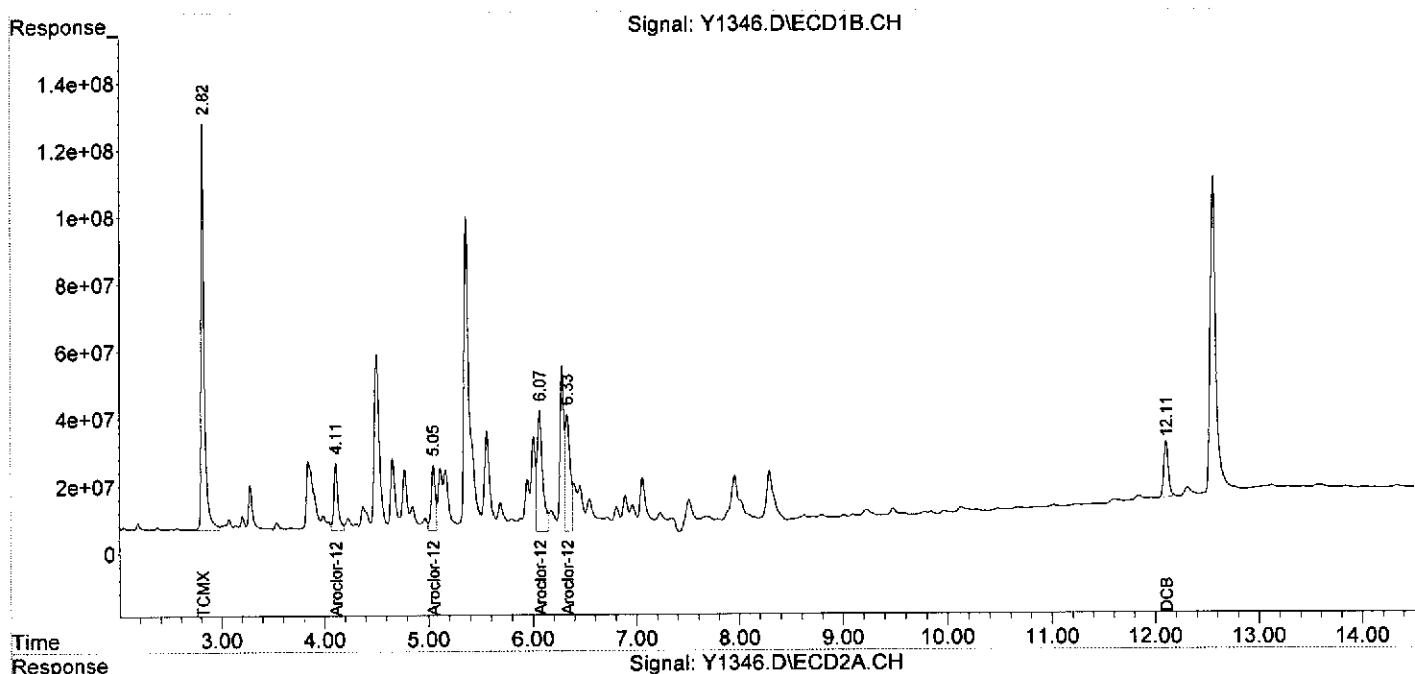
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-31-12\  
Data File : Y1346.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 01 Sep 2012 4:52  
Operator : YG  
Sample : Y-42\_(3.0-,08677-028,S,5.13g,84.4,08/29/12,4  
Misc : 120829-05,08/27/12,08/27/12,10  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Sep 04 13:32:18 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1306.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 31 Aug 2012 16:03  
 Operator : YG  
 Sample : FB-32,08677-029,A,1000ml,100,08/30/12,1  
 Misc : 120830-03,08/27/12,08/27/12,1  
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 16:33:40 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

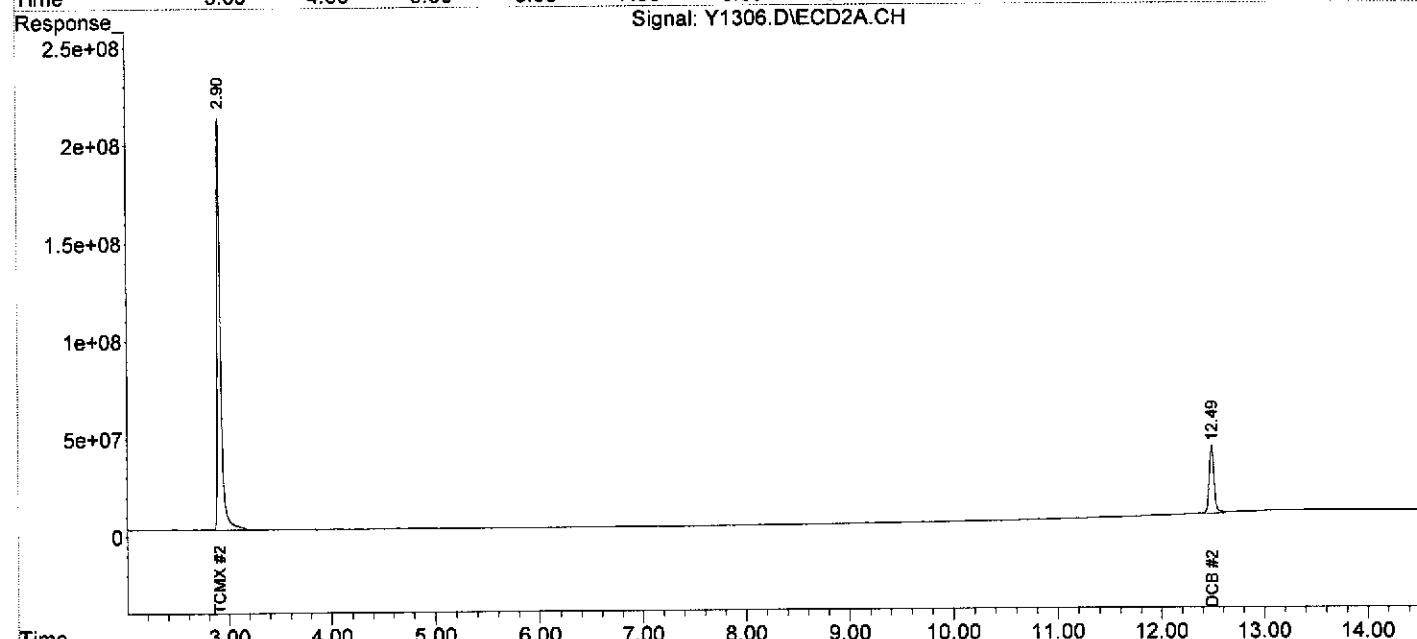
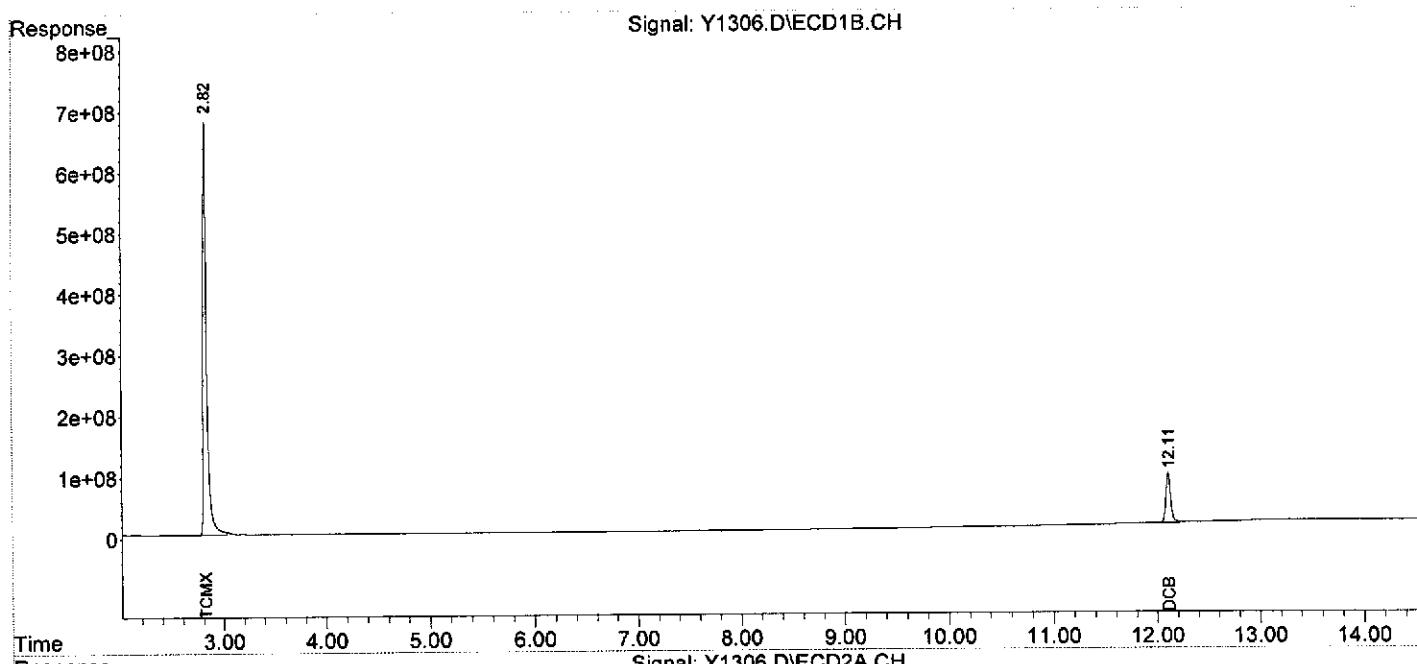
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	16579.9E6	5165.4E6	170.138	193.804
Spiked Amount	200.000			Recovery	=	85.07% 96.90%
2) S DCB	12.11	12.49	2633.6E6	1125.7E6	129.520m	129.994m
Spiked Amount	200.000			Recovery	=	64.76% 65.00%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1306.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 31 Aug 2012 16:03  
Operator : YG  
Sample : FB-32,08677-029,A,1000ml,100,08/30/12,1  
Misc : 120830-03,08/27/12,08/27/12,1  
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 31 16:33:40 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS120829-01  
Client ID: PCB  
Date Received: NA  
Date Extracted: 08/29/2012  
Date Analyzed: 08/29/2012  
Data file: Y1204.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.00g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: NA

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1204.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 29 Aug 2012 23:44  
 Operator : YG  
 Sample : PCB, BLKS120829-01, S, 5.00g, 0, 08/29/12, 4  
 Misc : NA, NA, NA, 1  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 09:48:40 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

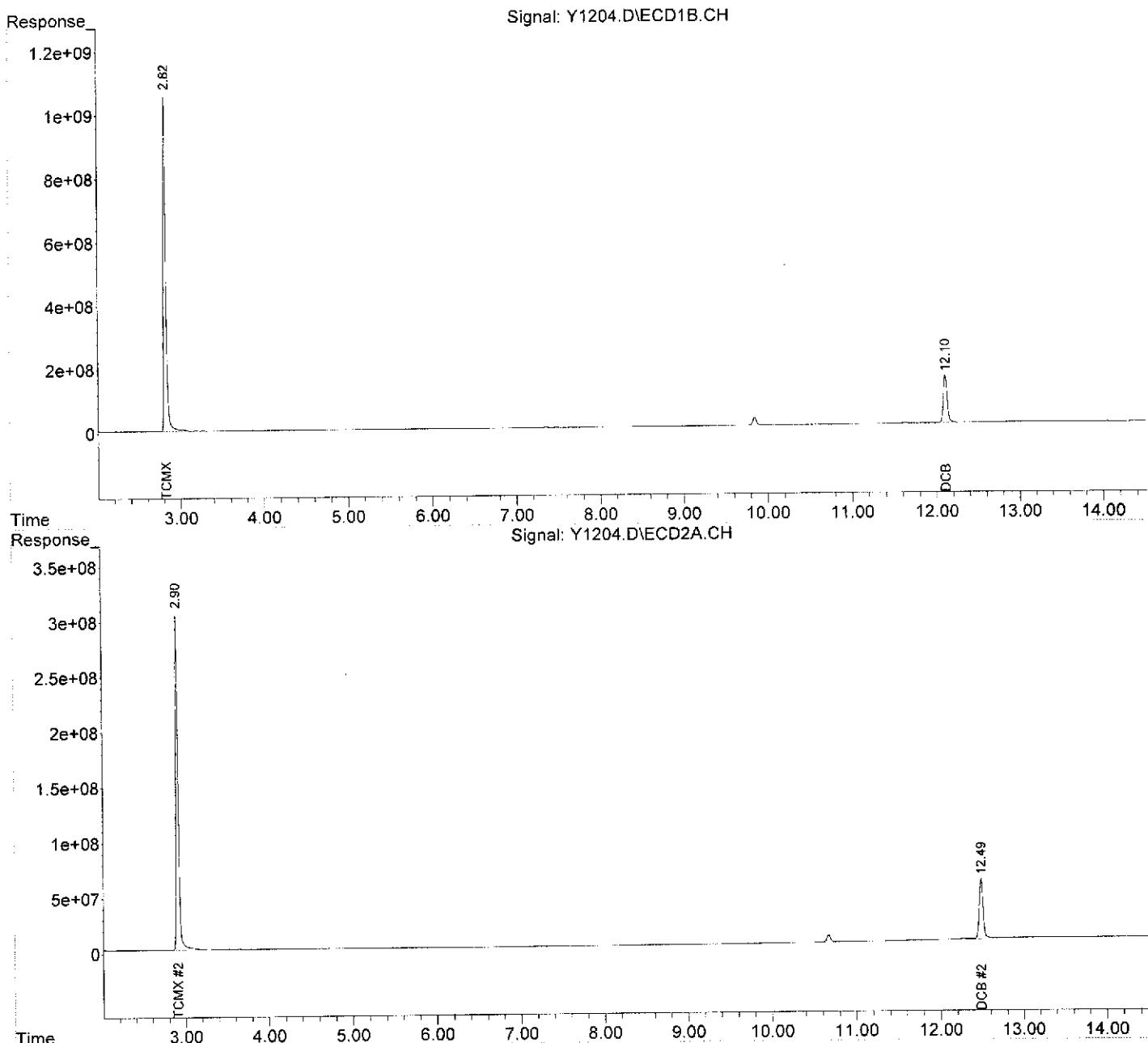
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	22096.1E6	6286.1E6	226.743	235.850
Spiked Amount	200.000			Recovery	= 113.37%	117.93%
2) S DCB	12.10	12.49	4816.9E6	1815.3E6	236.893	209.622
Spiked Amount	200.000			Recovery	= 118.45%	104.81%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1204.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 29 Aug 2012 23:44  
Operator : YG  
Sample : PCB, BLKS120829-01,S,5.00g,0,08/29/12,4  
Misc : NA,NA,NA,1  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 09:48:40 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS120829-05

Client ID: PCB

Date Received: NA

Date Extracted: 08/29/2012

Date Analyzed: 08/30/2012

Data file: Y1230.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
 Data File : Y1230.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 30 Aug 2012 7:28  
 Operator : YG  
 Sample : PCB, BLKS120829-05, S, 5.00g, 0, 08/29/12, 4  
 Misc : NA,NA,NA,1  
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 30 11:19:02 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	20989.7E6	6006.6E6	215.390	225.363
Spiked Amount	200.000			Recovery	= 107.69%	112.68%
2) S DCB	12.10	12.48	4671.0E6	1659.8E6	229.716m	191.665m
Spiked Amount	200.000			Recovery	= 114.86%	95.83%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

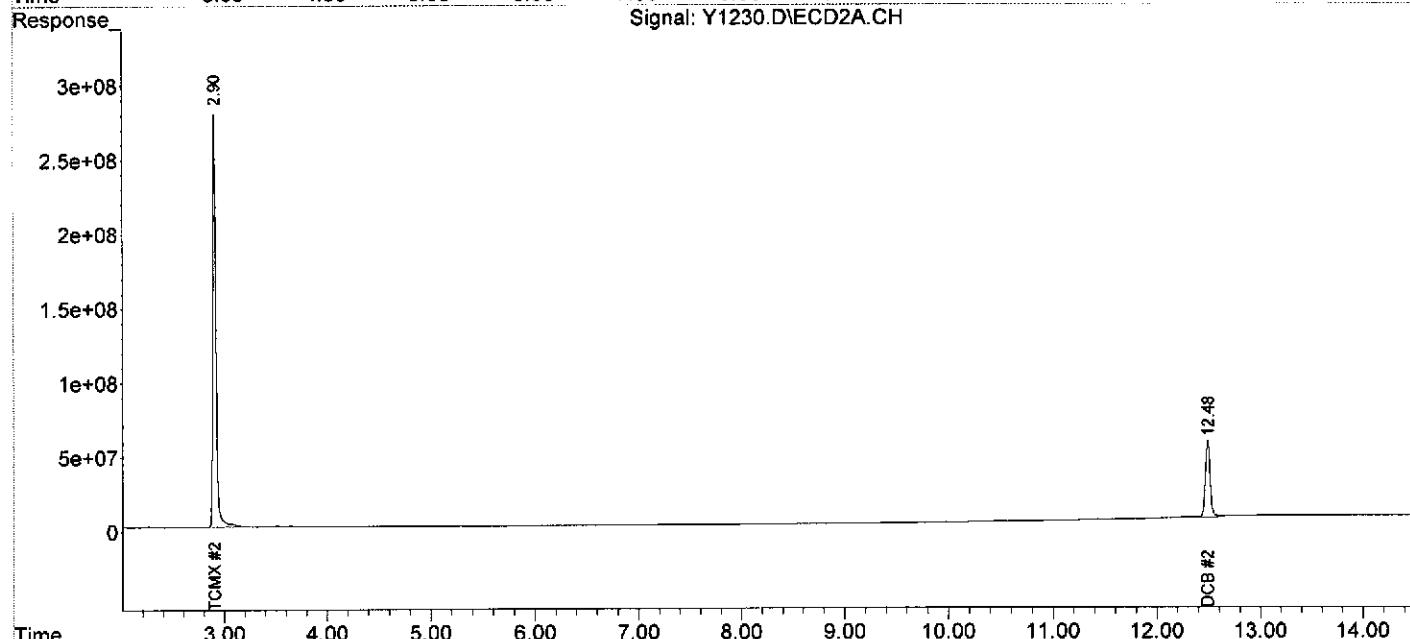
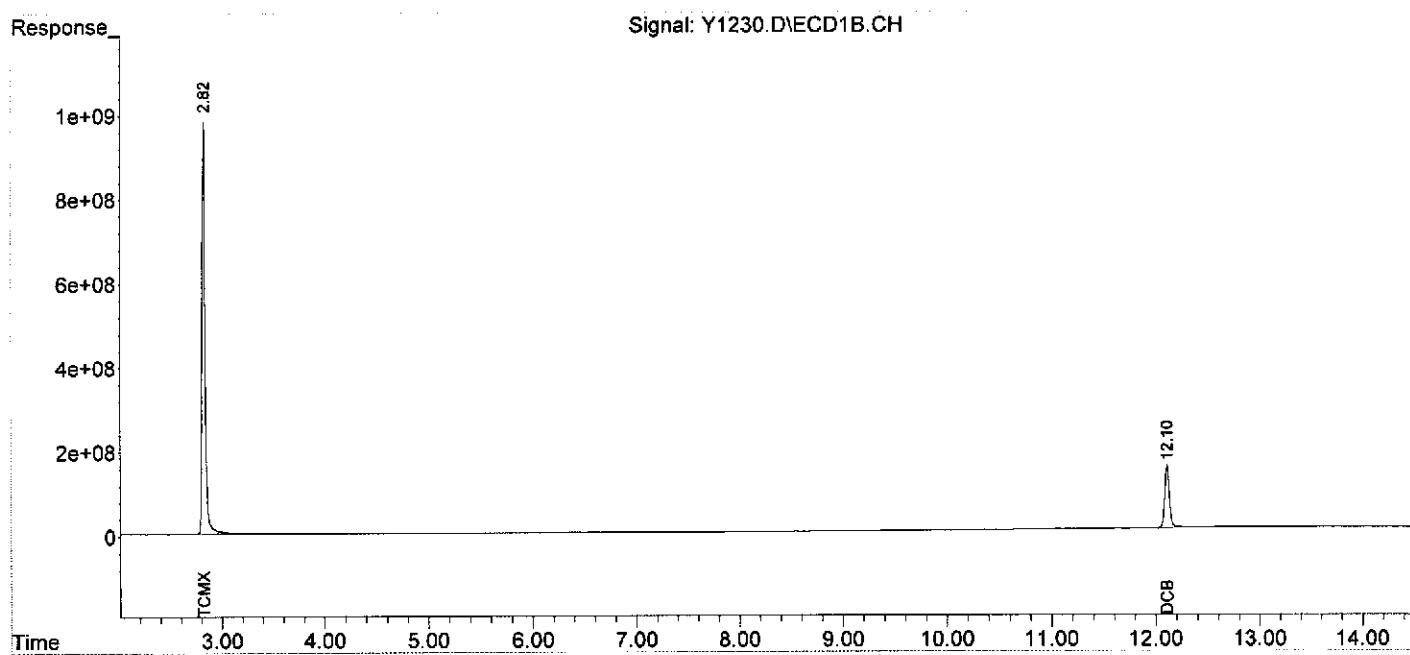
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-29-12\  
Data File : Y1230.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 30 Aug 2012 7:28  
Operator : YG  
Sample : PCB, BLKS120829-05,S,5.00g,0,08/29/12,4  
Misc : NA,NA,NA,1  
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 30 11:19:02 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKA120830-03  
Client ID: PCB  
Date Received: NA  
Date Extracted: 08/30/2012  
Date Analyzed: 08/31/2012  
Data file: Y1303.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 1000ml  
Matrix-Units: Aqueous- $\mu$ g/L (ppb)  
Dilution Factor: 1  
% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
 Data File : Y1303.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 31 Aug 2012 15:11  
 Operator : YG  
 Sample : PCB,BLKA120830-03,A,1000ml,100,08/30/12,1  
 Misc : NA,NA,NA,1  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 31 15:44:41 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	15850.4E6	4952.5E6	162.651	185.814
Spiked Amount	200.000			Recovery	=	81.33% 92.91%
2) S DCB	12.11	12.49	2552.0E6	1190.0E6	125.505	137.417
Spiked Amount	200.000			Recovery	=	62.75% 68.71%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

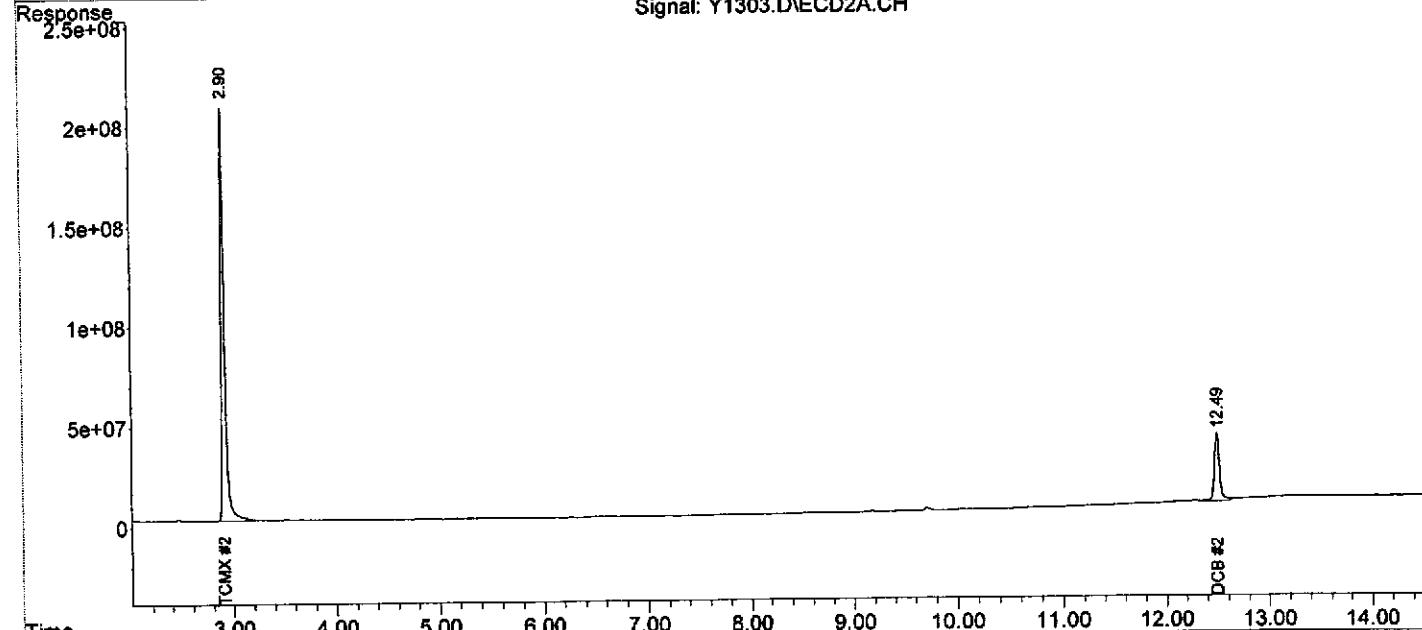
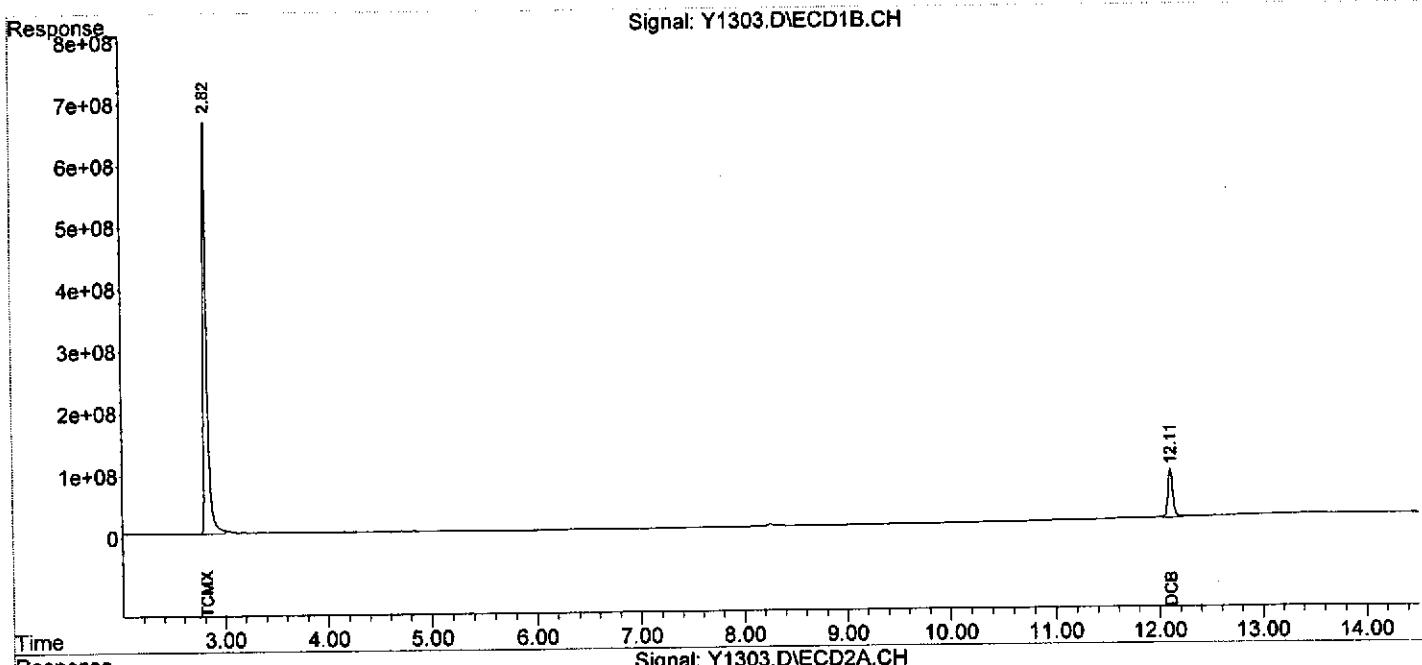
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-30-12\  
Data File : Y1303.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 31 Aug 2012 15:11  
Operator : YG  
Sample : PCB,BLKA120830-03,A,1000ml,100,08/30/12,1  
Misc : NA,NA,NA,1  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 31 15:44:41 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1147.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 16:35  
 Operator : YG  
 Sample : 8082\_1242\_IAS\_4308,0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:49:20 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:48:57 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

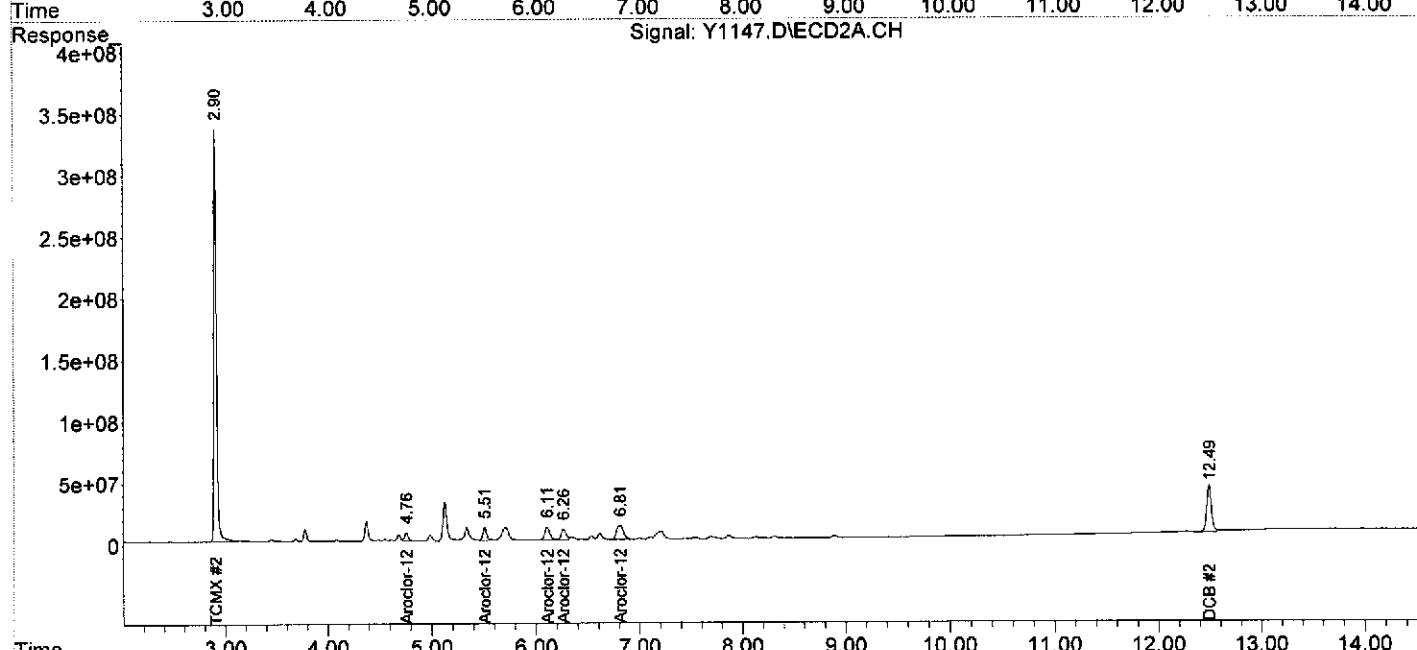
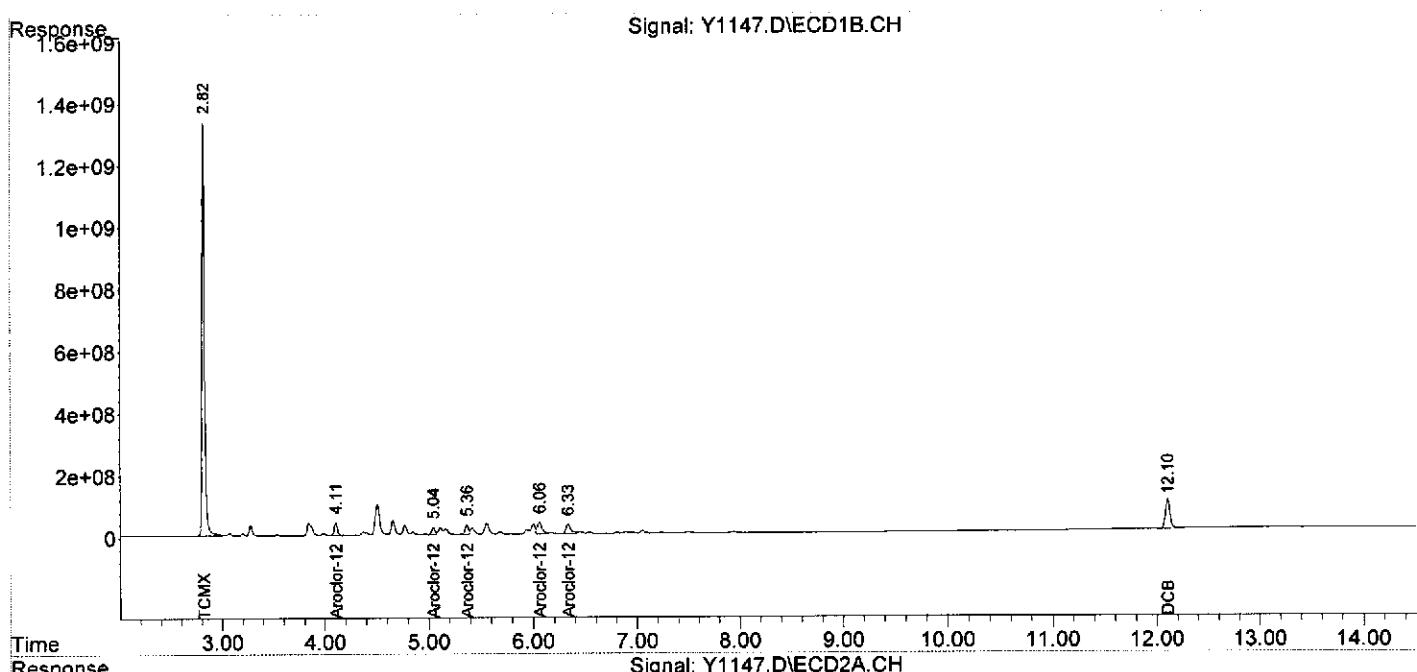
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1)	S TCMX	2.82	2.90	23576.8E6	6092.0E6	250.849	239.925
	Spiked Amount	200.000		Recovery	=	125.42%	119.96%
2)	S DCB	12.10	12.49	3081.8E6	1288.2E6	183.451	174.530
	Spiked Amount	200.000		Recovery	=	91.73%	87.27%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
18)	L5 Aroclor-1242	4.11	4.76	875.6E6	163.0E6	500.000	500.000
19)	L5 Aroclor-1242	{2}	5.04	5.51	531.4E6	272.4E6	500.000
20)	L5 Aroclor-1242	{3}	5.36	6.11	717.6E6	345.4E6	500.000
21)	L5 Aroclor-1242	{4}	6.06	6.26	1218.4E6	284.3E6	500.000
22)	L5 Aroclor-1242	{5}	6.33	6.81	1080.0E6	546.6E6	500.000
	Sum Aroclor-1242			4422.9E6	1611.6E6	2500.000	2500.000
Average	Aroclor-1242					500.000	500.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
Average	Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000
<hr/>							

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1147.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 16:35  
 Operator : YG  
 Sample : 8082\_1242\_IAS\_4308, 0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:49:20 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:48:57 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1148.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 16:52  
 Operator : YG  
 Sample : 8082\_1248\_IAS\_4309,0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:50:27 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:50:02 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

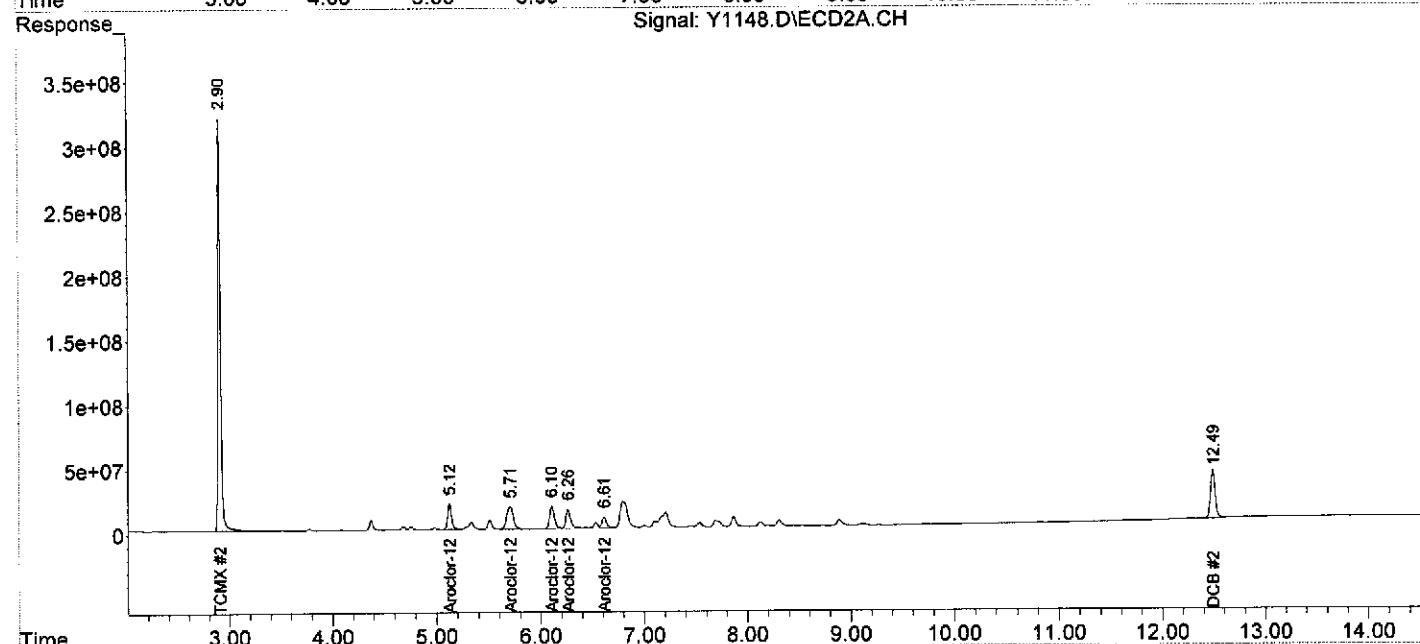
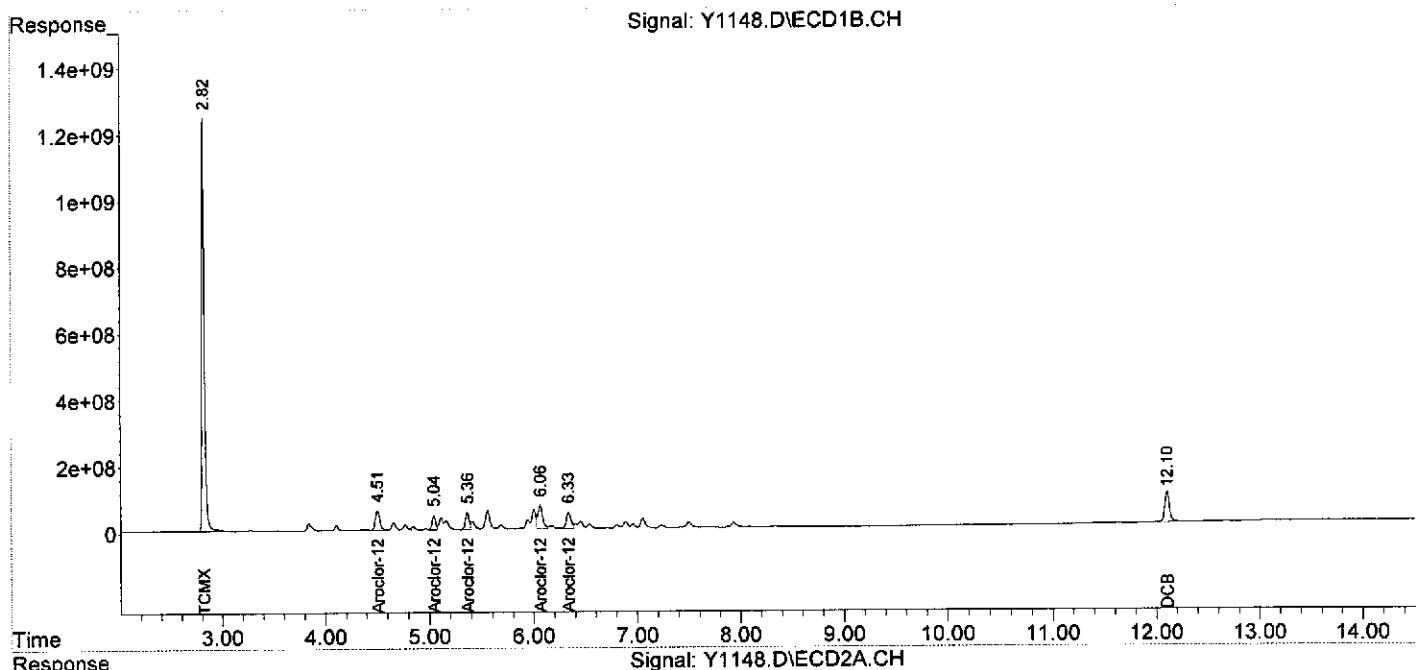
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.90	22214.9E6	5890.5E6	239.833	233.845
Spiked Amount	200.000			Recovery	= 119.92%	116.92%
2) S DCB	12.10	12.49	2980.1E6	1185.7E6	175.196m	160.258m
Spiked Amount	200.000			Recovery	= 87.60%	80.13%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.12	1830.8E6	519.6E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.04	5.71	1002.5E6	766.5E6	500.000	500.000
25) L6 Aroclor-1248 {3}	5.36	6.10	1247.7E6	542.7E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.06	6.26	2262.2E6	492.1E6	500.000	500.000
27) L6 Aroclor-1248 {5}	6.33	6.61	1568.7E6	268.0E6	500.000	500.000
Sum Aroclor-1248			7911.9E6	2588.9E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1148.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 16:52  
 Operator : YG  
 Sample : 8082\_1248\_IAS\_4309, 0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:50:27 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:50:02 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1152.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 18:18  
 Operator : YG  
 Sample : 8082\_C\_IAS\_4395,0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:54:45 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

## System Monitoring Compounds

1) S TCMX	2.82	2.90	21209.0E6	5869.5E6	217.640	220.222
Spiked Amount	200.000			Recovery	= 108.82%	110.11%
2) S DCB	12.10	12.49	3669.2E6	1526.3E6	180.450	176.252
Spiked Amount	200.000			Recovery	= 90.22%	88.13%

## Target Compounds

3) L2 Aroclor-1016	3.28	3.78	880.7E6	261.3E6	530.934	552.112
4) L2 Aroclor-1016 {2}	4.11	4.37	1186.5E6	511.4E6	505.095	541.858
5) L2 Aroclor-1016 {3}	4.66	5.13	1622.9E6	1155.8E6	510.953	556.281
6) L2 Aroclor-1016 {4}	5.16	5.33	768.0E6	491.5E6	512.119	549.933
7) L2 Aroclor-1016 {5}	5.56	5.51	1275.1E6	382.9E6	518.731	561.165
Sum Aroclor-1016			5733.4E6	2802.9E6	2577.832	2761.349
Average Aroclor-1016					515.566	552.270

Sum Aroclor-1221		0	0	N.D.	N.D.
Average Aroclor-1221				0.000	0.000

Sum Aroclor-1232		0	0	N.D.	N.D.
Average Aroclor-1232				0.000	0.000

Sum Aroclor-1242		0	0	N.D.	N.D.
Average Aroclor-1242				0.000	0.000

Sum Aroclor-1248		0	0	N.D.	N.D.
Average Aroclor-1248				0.000	0.000

Sum Aroclor-1254		0	0	N.D.	N.D.
Average Aroclor-1254				0.000	0.000

33) L8 Aroclor-1260	8.33	7.87	3282.7E6	398.9E6	549.971	552.808
34) L8 Aroclor-1260 {2}	9.00	8.12	1324.3E6	590.9E6	575.740	566.787
35) L8 Aroclor-1260 {3}	9.48	9.71	3579.5E6	499.2E6	567.234	577.797
36) L8 Aroclor-1260 {4}	9.96	10.22	1655.1E6	1097.8E6	532.926	570.722
37) L8 Aroclor-1260 {5}	11.02	10.81	653.0E6	779.5E6	481.911	564.873
Sum Aroclor-1260			10494.7E6	3366.4E6	2707.783	2832.987
Average Aroclor-1260					541.557	566.597

Sum Aroclor-1262		0	0	N.D.	N.D.
Average Aroclor-1262				0.000	0.000

Sum Aroclor-1268		0	0	N.D.	N.D.
Average Aroclor-1268				0.000	0.000

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
Data File : Y1152.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 27 Aug 2012 18:18  
Operator : YG  
Sample : 8082\_C\_IAS\_4395,0.5\_PPM  
Misc : NA,NA,NA,1  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 28 07:54:45 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
Quant Title :  
QLast Update : Tue Aug 28 07:53:32 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

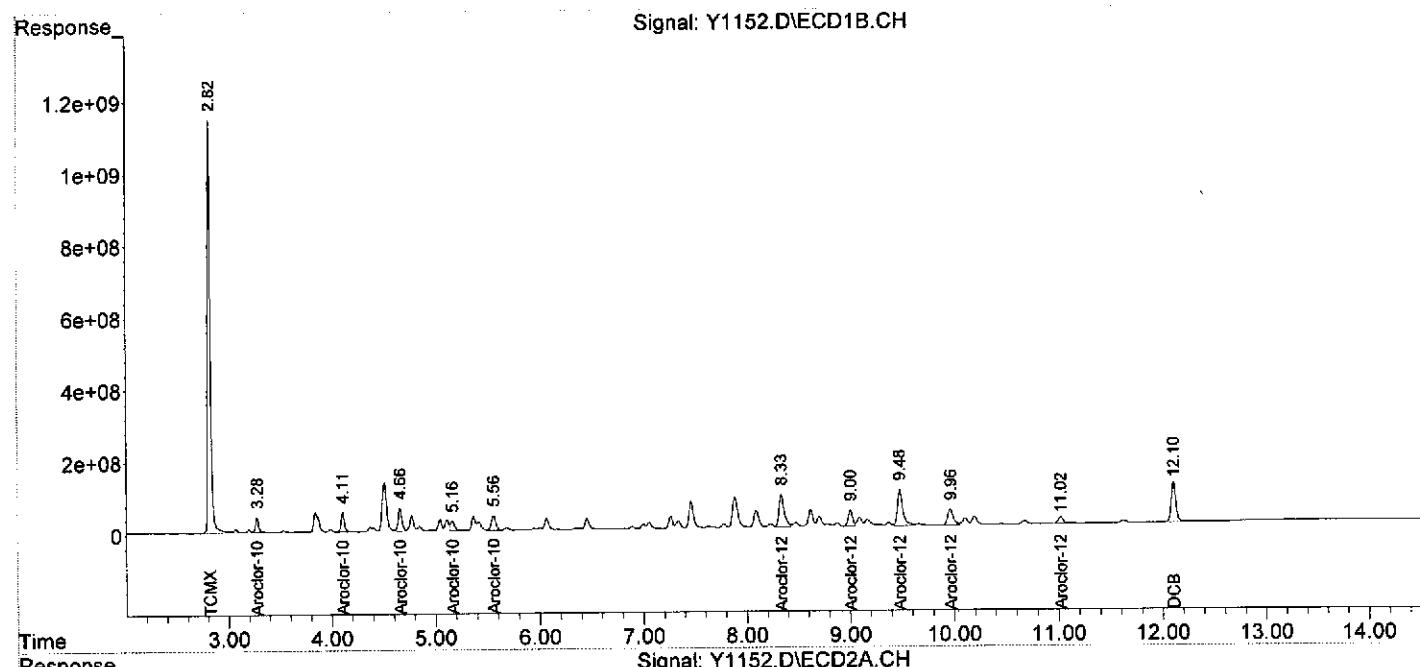
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-27-12\  
 Data File : Y1152.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 27 Aug 2012 18:18  
 Operator : YG  
 Sample : 8082\_C\_IAS\_4395,0.5\_PPM  
 Misc : NA,NA,NA,1  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 07:54:45 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0827.M  
 Quant Title :  
 QLast Update : Tue Aug 28 07:53:32 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**SAMPLE TRACKING**

**MAIL**  
Integrated Analytical Lab  
273 Franklin Rd  
Brentwood, CA 94513

Contact Us: 973 881-4322  
Fax: 973 881-4322  
Web: www.iatl.com

Turnaround Time: same the following day if samples rec'd at lab > 5PM!  
Each modification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITH EACH APPROVAL. \*RUSH STRAIGHTFORS WILL APPLY TO ABLE TO ACCOMMODATE

Customer: <b>MC Entertainment Concepts, Inc.</b>	REPORT TO: <b>John Chabot</b>
Address: <b>2109 Bishop Ave., Bldg. B</b>	Address: <b>None</b>
Phone: <b>(703) 285-3144</b>	Phone: <b>None</b>
Fax: <b>(703) 285-2150</b>	FAX #: <b>(703) 285-3150</b>
Project Manager: <b>John Chabot</b>	INVOICE TO: <b>John Chabot</b>
EMAIL: <b>John.Chabot@mc-ent.com</b>	Address: <b>4 Thru Center</b>
Project Name: <b>Argo</b>	City: <b>Washington, DC 20006</b>
Project Location (State): <b>DC</b>	With copy to: <b>MC Entertainment (John J. Chabot)</b>
Batch Order #: <b>PO# 2126</b>	Date: <b>08/26/01</b>
Quan #: <b>1000226</b>	Comments: <b>None</b>

**SAMPLE INFORMATION**

Client ID	Depth (ft-dept)	Date	Time	Method	#	Lab #
V-44 (0-1.0)	8/27/01	10:15	5			X
V-44 (1.0-2.0)		10:19	5		2	X
V-44 (2.0-3.0)		10:20	5		3	X
V-44 (3.0-4.0)		10:21	5		4	X
V-44 (4.0-5.0)		10:55	5		5	X
W-43 (1.0-2.0)		10:56	5		6	X
W-43 (2.0-3.0)		10:57	5		7	X
W-43 (3.0-4.0)		10:58	5		8	X

MDL Ref: GW0341(00) - SRSS - SWAKW - SEN Radiated - OTHER (See Comments)

Please print legibly and fully and completely. Sampling comment to be processed and the turnaround time will not start until any ambiguities have been resolved.

Sample Name: **None** Date: **08/26/01** Client No: **None** Description: **None**

E12-08677

10 COURSES - WHITE & YELLOW, CLIENT COPY - FIVE

Sample	Date	Time	Comments
1	8/27/01	15:15	Initial Log
2	8/27/01	16:30	Initial Log
3			Initial Log
4			Initial Log

PAGE | # 4

08677

0158

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Centred Uc 873 871-872  
face 873 871-872

*These include the following categories of sources used at lab A SPM*

**RUSH TAT** is not guaranteed with **RUSH TAT**. Each identification is required for **RUSH TAT** prior to sample arrival.

APPROVAL OF THESE SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE

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NJ EPMI Projected 15-day Total  
NJ EPMI Projected 30-day Total

NAME	SEX	AGE	WEIGHT	REASON FOR CAPTURE
WILSON - Caged FAD	M	14 days	1.5 kg	Research
WILSON - Caged FAD	M	14 days	1.5 kg	Research
WILSON - Caged FAD	M	14 days	1.5 kg	Research
WILSON - Caged FAD	M	14 days	1.5 kg	Research

GENERAL INFORMATION  
NAME: John Doe  
ADDRESS: 123 Main Street, Anytown, USA  
PHONE: (555) 123-4567

Date Trig...96 °C

ANSWER

ПОДСЧИТЫВАЕМ

Cassell

27422

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MIN. FEE: CIVIL \$1100. - SESS. - SUPERIOR - SECT Residential - OTHER ISLAND COMMUNITIES)

*and have will not start until any emigration have been resolved.*

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9/5/2008

16920 2004-05-14 14:42:53

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~~100 cm<sup>3</sup>~~ 3 x 4.

386 ft

0159

# PROJECT INFORMATION



E 1 2 - 0 8 6 7 7

Case No. E12-08677

Project ARSYNCO

<b>Customer</b>	JMC Environmental Consultants	<b>P.O. #</b>	22126
<b>Contact</b>	Jim Clabby	<b>Received</b>	8/27/2012 16:30
<b>EMail</b>	jclabby@jmcenvironmental.com;	<b>Verbal Due</b>	9/11/2012
<b>Phone</b>	ahallgreen@jmcenvironmental.co (732) 295-5144 Fax (732) 295-2150 ladams@jmcenvironmental.com	<b>Report Due</b>	9/18/2012
<b>Report To</b>		<b>Bill To</b>	
2109 Bridge Avenue Building B Point Pleasant, NJ 08742 Attn: Jim Clabby		Aceto Corp. 4 Tri Harbor Court Port Washington, NY 11050 Attn: Mr. Ed Kelly	
<b>Report Format</b> Reduced			
<b>Additional Info</b> <input type="checkbox"/> State Form <input type="checkbox"/> Field Sampling <input type="checkbox"/> Conditional VOA			

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
08677-001	V-44 (0-1.0)	0 / 1	8/27/2012@10:18	Soil	mg/Kg	1
08677-002	V-44 (1.0-2.0)	1 / 2	8/27/2012@10:19	Soil	mg/Kg	1
08677-003	V-44 (2.0-3.0)	2 / 3	8/27/2012@10:20	Soil	mg/Kg	1
08677-004	V-44 (3.0-4.0)	3 / 4	8/27/2012@10:21	Soil	mg/Kg	1
08677-005	W-43 (0-1.0)	0 / 1	8/27/2012@10:55	Soil	mg/Kg	1
08677-006	W-43 (1.0-2.0)	1 / 2	8/27/2012@10:56	Soil	mg/Kg	1
08677-007	W-43 (2.0-3.0)	2 / 3	8/27/2012@10:57	Soil	mg/Kg	1
08677-008	W-43 (3.0-4.0)	3 / 4	8/27/2012@10:58	Soil	mg/Kg	1
08677-009	U-45 (0-1.0)	0 / 1	8/27/2012@11:37	Soil	mg/Kg	1
08677-010	U-45 (1.0-2.0)	1 / 2	8/27/2012@11:38	Soil	mg/Kg	1
08677-011	U-45 (2.0-3.0)	2 / 3	8/27/2012@11:39	Soil	mg/Kg	1
08677-012	U-45 (3.0-4.0)	3 / 4	8/27/2012@11:40	Soil	mg/Kg	1
08677-013	T-45 (0-1.0)	0 / 1	8/27/2012@13:00	Soil	mg/Kg	1
08677-014	T-45 (1.0-2.0)	1 / 2	8/27/2012@13:01	Soil	mg/Kg	1
08677-015	T-45 (2.0-3.0)	2 / 3	8/27/2012@13:02	Soil	mg/Kg	1
08677-016	T-45 (3.0-4.0)	3 / 4	8/27/2012@13:03	Soil	mg/Kg	1
08677-017	X-43 (0-1.0)	0 / 1	8/27/2012@13:28	Soil	mg/Kg	1
08677-018	X-43 (1.0-2.0)	1 / 2	8/27/2012@13:29	Soil	mg/Kg	1
08677-019	X-43 (2.0-3.0)	2 / 3	8/27/2012@13:30	Soil	mg/Kg	1
08677-020	X-43 (3.0-4.0)	3 / 4	8/27/2012@13:31	Soil	mg/Kg	1
08677-021	Y-43 (0-1.0)	0 / 1	8/27/2012@14:15	Soil	mg/Kg	1
08677-022	Y-43 (1.0-2.0)	1 / 2	8/27/2012@14:16	Soil	mg/Kg	1
08677-023	Y-43 (2.0-3.0)	2 / 3	8/27/2012@14:17	Soil	mg/Kg	1
08677-024	Y-43 (3.0-4.0)	3 / 4	8/27/2012@14:18	Soil	mg/Kg	1
08677-025	Y-42 (0-1.0)	0 / 1	8/27/2012@14:35	Soil	mg/Kg	1
08677-026	Y-42 (1.0-2.0)	1 / 2	8/27/2012@14:36	Soil	mg/Kg	1
08677-027	Y-42 (2.0-3.0)	2 / 3	8/27/2012@14:37	Soil	mg/Kg	1
08677-028	Y-42 (3.0-4.0)	3 / 4	8/27/2012@14:38	Soil	mg/Kg	1
08677-029	FB-32	n/a	8/27/2012@14:50	Aqueous	mg/L	2

# PROJECT INFORMATION



E 1 2 - 0 8 6 7 7

Case No. **E12-08677**Project **ARSYNCO**

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
001	TCL PCB	Run	8082
002	TCL PCB	Run	8082
003	TCL PCB	Run	8082
004	TCL PCB	Run	8082
005	TCL PCB	Run	8082
006	TCL PCB	Run	8082
007	TCL PCB	Run	8082
008	TCL PCB	Run	8082
009	TCL PCB	Run	8082
010	TCL PCB	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082
026	TCL PCB	Run	8082
027	TCL PCB	Run	8082
028	TCL PCB	Run	8082
029	TCL PCB	Run	8082

## INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NO: E 12

08677

CLIENT: JMC

COOLER TEMPERATURE: 2° - 6°C: 

( See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

- |   |          |
|---|----------|
| ✓ | = YES/NA |
| ✗ | = NO     |

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)<sup>1</sup>
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time'

- Sample to be Subcontracted

- ✓ Chain of Custody is Clear

<sup>1</sup> All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL  *[Signature]*DATE  8/23/12

CORRECTIVE ACTION REQUIRED:

YES 

(SEE BELOW)

NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES 

Date/ Time: \_\_\_\_\_

NO 

PROJECT CONTACT: \_\_\_\_\_

SUBCONTRACTED LAB: \_\_\_\_\_

DATE SHIPPED: \_\_\_\_\_

ADDITIONAL COMMENTS: \_\_\_\_\_

VERIFIED/TAKEN BY:

INITIAL  *[Signature]*DATE  8/23/12

E12-08677

0162

REV 03/2009

# Laboratory Custody Chronicle

**IAL Case No.**

**E12-08677**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 8/27/2012@16:30

**Department: GC**

			<b>Prep. Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
TCL PCB	08677-001	Soil	8/29/12	Archimede	8/30/12	Julia
"	-002	"	8/29/12	Archimede	8/30/12	Julia
"	-003	"	8/29/12	Archimede	8/30/12	Julia
"	-004	"	8/29/12	Archimede	8/30/12	Julia
"	-005	"	8/29/12	Archimede	8/30/12	Julia
"	-006	"	8/29/12	Archimede	8/30/12	Julia
"	-007	"	8/29/12	Archimede	8/30/12	Julia
"	-008	"	8/29/12	Archimede	8/30/12	Julia
"	-009	"	8/29/12	Archimede	8/30/12	Julia
"	-010	"	8/29/12	Archimede	8/30/12	Julia
"	-011	"	8/29/12	Archimede	8/30/12	Julia
"	-012	"	8/29/12	Archimede	8/30/12	Julia
"	-013	"	8/29/12	Archimede	8/30/12	Julia
"	-014	"	8/29/12	Archimede	8/30/12	Julia
"	-015	"	8/29/12	Archimede	8/30/12	Julia
"	-016	"	8/29/12	Archimede	8/30/12	Julia
"	-017	"	8/29/12	Archimede	9/ 1/12	Julia
"	-018	"	8/29/12	Archimede	8/30/12	Julia
"	-019	"	8/29/12	Archimede	9/ 1/12	Julia
"	-020	"	8/29/12	Archimede	8/30/12	Julia
"	-021	"	8/29/12	Archimede	9/ 4/12	Julia
"	-022	"	8/29/12	Archimede	9/ 4/12	Julia
"	-023	"	8/29/12	Archimede	9/ 1/12	Julia
"	-024	"	8/29/12	Archimede	8/30/12	Julia
"	-025	"	8/29/12	Archimede	9/ 1/12	Julia
"	-026	"	8/29/12	Archimede	9/ 1/12	Julia
"	-027	"	8/29/12	Archimede	9/ 1/12	Julia
"	-028	"	8/29/12	Archimede	9/ 1/12	Julia
"	-029	Aqueous	8/30/12	Archimede	8/31/12	Julia